FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1849.—Vol. XLI.

LONDON, SATURDAY, JANUARY 28; 1871.

(SUPPLEMENT) {PRICE FIVEPENCE. PER ANNUM, BY POST, £1 45

M. B. JAMES CROFTS, STOCK AND SHAREBROKER, No. 1, FINOH LANE, CORNHILL.

(ESTABLISHED 1842.)

The continued rise in the price of the is creating an immense demand for shares in good tin mines. At the ROCHE CONSOLS TIN MINE large returns of tin can be made at a cost of about £30 per ton. Black in is now over £80 per ton. There are five lodes opened upon in the sett; one that has been driven upon is worth 30 ibs. of tin to the ton of the lode. The supply of tinstuff is practically inexhaustible, and the agent states that profits will be returned to the shareholders directly the machinery, which is now in course of erection, is completed. Mr. CROFTS SPECIALLY RECOMMENDS those shares for a great advance in price. The mine is situated at the head of the celebrated Goss Moors, from which millions worth of tin have been raised.

Bankers: Metropolitan Bank.

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Bankers: Metropolitan Bank.

MR. W. H. BUMPUS, STOCK AND SHAREDEALER,
44, THREADNEEDLE STREET, LONDON, E.C., has FOR SALE the
following SHARES, free of commission:
15 Aasheton, £4½.
15 Aasheton, £4½.
16 Bast Graville, £3%.
17 Anglo-Brazil, 5s. 6d.
18 Frank Mills, 30s.
18 Gen. Brazil, £½ pm.
18 Great Laxey, £17½.
19 Gart Laxey, £17½.
19 Grat Laxey, £17½.
19 Marke Valley, £7½.
19 Marke Valley, £7½.
19 Marke Valley, £7½.
19 Don Pedro, £2½.
19 Don Pedro, £2½.
20 Don Pedro, £2½.
21 Soke Tor.
21 Don Pedro, £2½.
22 Soke Tor.
23 Drake Walls, 24s. 6d.
25 Ketlpse, 9s. pm.
26 East Caradon, £5½.
26 East Lovell, £33.
27 Frice of Wales, 36s 6
W. H. B. transacts business in every description of shares at the best market prices, and free of commission.

Bankers: Hetropolitan Bank.

Bankers: Metropolitan Bank.

20 Rosewall Hill.
28 Roman Gravels, £10½.
29 Rosewall Hill.
28 Roman Gravels, £10½.
20 Rosewall Hill.
28 Roman Gravels, £10½.
29 Rowellodn, £12½.
20 Soc Great Work, 4s 9d.
20 Warke Valley, £17½.
20 Wheal Russell, 30s.
20 Wt. Godolphin, 22s 9d.
20 Wt. G

JOHN RISLEY, (SWORN) STOCK AND SHAREBROKER, 48, THREADNEEDLE STREET, LONDON, E.C. Bankers: London and Westminster, Lothbury.

MR. Y. CHRISTIAN, STOCK AND SHAREDEALER,
11, ROYAL EXCHANGE, E.C.,
Bankers: Bank of England.

M R. T. A. MUNDY, STOCK AND SHAREDEALER, 33, BISHOPSGATE STREET WITHIN, E.C. Bankers: City Bank.

Bankers: City Bank.

M. R. THOMAS ROSE WARNE, SHAREDEALER,
81, OLD BROAD STREET, LONDON, E.C.
T. R. has BUSINESS in the following SHARES as BUYER or SELLER at
the market prices of the day, for eash or account, or end of February:—
Assheton.

East Caradon.

Bedford United.
Bedford Consols,
Carn Camborne,
Galdbeck Fells,
Gan Camborne,
Galdbeck Fells,
Gan Camborne,
Galdbeck Fells,
Chontales,
Chiverton Moor,
Devon Consols,
Marke Valley,
Devon Consols,
Marke Valley,
West Tankerville,
West Chiverton.
Devon Consols,
Devake Walls.
Prince of Wales,
Parties in the country wishing to purchase in any of the above-named mines
for time on can do so through me, with the distinct understanding that it is
to be strictly private.

Money advanced to any extent upon good marketable mining shares,
Bankers: Bank of England.

DENDEAN AND CO. STOCK AND SHAREDEALERS

Bankers: Bank of England.

Office hours Ten to Four.

ENDEAN AND CO., STOCK AND SHARE DEALERS,
BRITISH and FOREIGN STOCK, SHARE, and MINING OFFICES,
St., GRACECHURCH STREET, LONDON, E.C.

We know of no tin mining property in the West of England so safe and bona
fide for investment as the TERRAS TIN MINE. These shares should be bought at
once. If applied for at once, we can sell any portion of 70 shares at £3 each.
It is believed they will go to £20 per share. The company is limited. We advise
only limited liability companies, cautioning investors to avoid the Cost-Book
System as they would a serpent.

ABENDAUNANT is looking splendid throughout, and is bidding fair to be
another Van. An important discovery has just taken place; the lode will yield
4 tons of lead per fathom. Investors may take their agents, or go and see for
themselves. These shares will have a considerable advance in price, and should
be bought for investment.

We especially advise the purchase of EAST LLANGYNOG shares, at £2 10s. each.
From the important discoveries already made, and the quantities of ore being
brought to surface, containing rocks of soild lead from I owt. to 7 cwts. each,
and parcels of ore going into the market within a few weeks of the formation
of the company, and knowing the adjoining mine on the same loide has paid over
£1,000,000 in profits, we feel assured this mine will be in the Dividend List almost immediately. We strongly advise it to our clients.

Mr. ENDEAN, having just returned from the Welsh mining districts, is in a
position to advise whether to buy or sell in either mine now before the public.

All negoclable stocks dealt in for cash or account.

ENDEAN and CO., \$8, Gracechurch Street. London, E.C.

ENDEAN and Co., 88, Gracechurch Street. London, E.C.

MR. HENRY MANSELL, STOCK AND SHAREDEALER, 34, GREAT WINCHESTER STREET, LONDON, E.C., has the following SHARES FOR SALE, for cash or account, free of commission:

50 Taquaril, £1 13 9 pm.

20 Cefn Consols.

50 Wesh Grenville, £4%.

50 New Rosario, 258.

20 Tankerville, £13%.

100 North Treekerby.

20 Drake Walls.

50 Harewood Consols, 48

70 New Beldou, 14s. 6d.

150 Perran Consols, 13s

70 New Beldou, 14s. 6d.

25 West Tankerville.

25 West Tankerville.

26 Grace Royalton, 11s 6

155 New Grassington, 15s

70 New Beldou, 14s. 6d.

27 West Tankerville.

28 West Tankerville.

29 Grace Royalton, 11s

10 Eryn Royalton, 11s

10 Eryn Royalton, 11s

10 Eryn Royalton, 11s

20 Grace Royalton, 25s

15 Carn Camborne.

20 Grace Royalton, 25s

15 Carn Camborne.

21 Erras Tin Mine.—Shares should be bought at once in this mine for a great rise in price. Mr. H. M. advises every intending purchaser to send an independant agent and judge by the inspectors' reports.

East Liangynog, 71 aquaril, Tankerville, South Condurrow, Prince of Wales, West Jewell, and Van Consols are also well worth buying for an immediate advance from present quotations.

A Dally List of Closing Prices sent to clients free on application, Bankers: London Joint-Stock Bank.

JOHN LEAN, M.E., AND CO., STOCK AND SHARE DEALERS, 5, AUSTINFRIARS, OLD BROAD STREET, LONDON, E.C. J. L. late manager of Sliver and Copper Mines, Chili, and more recently from Cornwall.

Cornwall. Gold, Silver, and other Metallic Mines examined, surveyed, and reported on

at home or abroad.

Stocks or shares negociated in every kind of available security.

Stocks or shares negociated in every kind of available security.

We advise the immediate purchase of the Terras Tin shares, and can offer 75 or any less portion, if applied for at once, at £3 each. This extraordinary mine has just soid an additional parcel of tin, 5 tons, at £76 15s. per ton. Terras must soon go in the Dividend List.

These will have a considerable

must soon go in the Dividend List.

Also the fully-paid Aberdaunny shares. These will have a considerable rise. See the agent's report in this Journal.

We strongly advise the purchase of shares in the East Llangynog at £210s. each. It is believed this mine will give a dividend from the sale of lead within four months from the registration of the company.

J. L., having recently returned from Wales, is in a position to give clients the best information and advice touching those mines of interest.

Our Guide to Investors will be ready for Issue on Wednesday next. Copies forwarded on application, free to clients.

M. B. GEORGE BUDGE, STOCK AND SHAREDEALER,
No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.O. (Established
21 years), is a SELLER at net prices of :—
2 Devon Great Consels, 50 Roman Gravels, 40 Nangiles, 100 Prince of Wales, 10
Great Wheal Vor. 55 Trevarrack, 10 Wheal Kitty (St. Agnes), 30 Bwich Consols,
2 Providence, 10 Polivene, 60 Perra Virgin, 30 South Merlipn, 60 Oil Treburgett,
70 Carn Camborne, 50 Pen'Alit, 40 East Greuville, 120 West Drake Walls, 10 East
Caradon, 25 West Jewell, 100 West Tremayne, 100 Taquaril, 150 Eclipse, 220
General Brazilian, and 100 Anglo-Brazilian.
Mr. Budge advises the purchase of Bwadrain Consols shares. If Investors
compare this mine with others selling at higher prices, they cannot fail to recognise in it a bona fide undertaking. Sales of ore continue regular.

MR. PETER WATSON, STOCK AND SHAREDEALER, 79, OLD BROAD STREET, LONDON, E.C.

Bankers: The Alliance Bank, and Union Bank of London

THE SHROPSHIRE LEAD MINING DISTRICT,—
PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE
LIST—SYNOPSIS OF CORNISH AND DEVON MINES," &c., of Friday,
Jan. 27, No. 619, contains the THIRD PORTION of a REVIEW of the
SHROPSHIRE LEAD MINING DISTRICT, to be continued in future numbers,
It also contains information on the Leading Mines of Cornwall and Shropshire.

THE ROMAN GRAVELS LEAD MINING COMPANY (NEAR THE SNAILBEACH AND TANKERVILLE LEAD MINES, SHROPSHIRE).

Particulars of this Important and Profitable Lead Mine are to be found a PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIS—SYNOPSIS OF CORNISH AND DEVON MINES," &c., of Friday, Jan. 2006, 619. No. 619.
Further particulars will be given in future Circulars.

R O R E I G N G O L D M I N E S.—
SHAREHOLDERS IN FOREIGN GOLD MINES should read PETER
WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST," of
Friday, Jan. 27, No. 619. Price 6d. each, forwarded on application.

M R, E D W A R D C O O K E, STOCK AND MINING SHAREDEALER, 76, OLD BROAD STREET LONDON, E.C.
Bankers: Alliance Bank.

W . H . C U E L No. 42, CORNHILL, LONDON, E.C. Daily price-list on application.

M. R. W. TREGELLAS, 122, BISHOPSGATE STREET WITHIN, E.C., transacts BUSINESS in all descriptions of SHARES on the most favourable terms.

W. T. continues to recommend the purchase of TAQUARIL shares. The last account from Brazil represents the stamps being ready to commence work the beginning of December, and no doubt in a very short time large remittances of gold will come forward. Everything connected with the mine is progressing favourably, and the shareholders may confidently look forward to large dividends during the current year.

W. T. is prepared to give sound advice to purchasers being personally acquainted with the property in all its details.

W. T. also recommends for investment the shares of the Van, Carn Brea, and Ecilpse.

MR. E. J. BARTLETT, STOCK AND SHAREDEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C., transacts business at prices in every description of security.

SPECIAL BUSINESS in Frank Mills, Great Wostern, Caldbeck Fells, West Godolphin, Wheal Agar, West Tankerville, and East Seton shares.

** Seventh Edition of "How to Invest," &c. Post free for seven stamps.

MR. C. A. POWELL, BRITISH AND FOREIGN STOCK AND SHAREDEALER, No. 1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.

Business transacted in every description of negociable security at current market pyleses not.

Business transaction in every description is neglectaric scenario at central market prices, net.

SPECIAL BUSINESS in Prince of Wales, Frontino, Sweetland Creek, South Condurrow, Van, Taquaril, Eberhardt, and New Great Consols.

GREAT ROYALTON.—The advertiser is prepared to treat on favourable terms with parties having business in these shares.

CWM VRON.—Mr. C. A. POWELL is prepared to furnish particulars of, and reports on, this company upon application. See report in Mining Journal of Jan. 21, of the meeting held at Shrewsbury on Jan. 17.

Price List on application. References exchanged.

Bankers: City Bank, Finch-lane, E.C.

SILK AND CO., STOCK AND SHARE BROKERS.

CHIEF OFFICES: 32, REGENT STREET, W.

CITY OFFICES: 16, MARK LANE, E.C.

We are prepared to negociate the purchase or sale of stocks and shares at the closest market prices, for cash only.

CWMEBOL, MORBEN, CROWN.—Shares in the above slate quarries are recommended as safe and permenent investments.

FRANK LIMMER, Secretary.

Twenty-six Years' Experience.

M. R. F. W. MANSELL, STOCK AND SHAREDEALER,
1. PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.
Daily List of closing prices in British and Foreign mines published every evening, and forwarded to correspondents (free).

References exchanged. Bankers: London Joint-Stock Bank.

JANUARY, 1871. PROFITABLE INVESTMENT OF CAPITAL IN BRITISH AND FOREIGN MINES.

By F. W. MANSELL, 1, Pinner's Court, Old Broad Street, London.

To be had on application. Price 1s.

MR. JAMES STOCKER, STOCK AND SHAREDEALER, 2. OROWN COURT. THREADNEEDLE STREET, AND MINING EXCHAGNE, transacts Business in all kinds of Stocks and Shares. Bankers: London and Westminster, Lothbury.

Bankers: London and Westminster, Lothbury.

J. S. has BUSINESS in the FOLLOWING SHARES for cash or account;—
Chotales.

Taquaril.

Great Vor.

Roman Gravels.

Eberhardt.

East Lovell.

East Lovell.

East Cover.

Bondon Shares for cash or account;—
Cow Pedro.

New Quebrada.

New Quebrada.

New Colv's Kitchen.

West Chiverton.

MR. G. D. SANDY, STOCK AND SHAREDEALER,
48, THREADNEEDLE STREET, LONDON, E.C.
Business transacted in every description of Stocks and Shares for cash or
account.
References exchanged.
Recommended for immediate purchase—South Condurrow, West Jewell, Taquaril (Gold), Carn Camborne, and West Esgair Liee, there being no probable
risk by an investment in one or all of these mines.

M. R. JOHN R. PIKE takes the occasion of the commencing year to THANK his NUMEROUS CLIENTS for their SUPPORT and APPROBATION during his PROFESSIONAL CAREER of a QUARTER OF A CENTURY, and especially during the last year; and bese, again. TO OFFER HIS SERVICES in every department connected with the PURCHASE and SALE Of MINING and GENERAL STOCKS.

Mr. PIKE confidently advises his friends that the present hour offers most favourable opportunities for successful investments in Mining Shares, as he can select properties that will certainly realise from 10 to 15 per cent. Immediately, with prospective advance. He can, besides, name Progressive Mines, where an advance of 50 per cent. on prices may be fairly looked for, with a certainty of dividends.

3, Crown-chambers, Crown-court, Threadneedle-street, Jan. 12, 1871.

THE CITY EXCHANGE MINING AND INVESTMENT OFFICES, 32, NEW BROAD STREET, LONDON, E.C. ALFRED FISHER, MANAGER.

ALFRED FISHER, MANAGER.

The TERRAS TIN MIKE shares are in demand at £3 each, and will go higher. Investors will do well to buy at once. We have only 35 that we can offer for sale at £3 each. Apply at once. This mine will soon rank amongst the best dividend-paying mines in the West of England. We are advised of another parcel of tin just sold at £76 lbs, per ton, and the largest parcel for any month previously sold, and at the highest price. This augurs well for future dividends. Tin has advanced £5 per ton. This looks well for TERRAS, and from its prosperity mining setts are being applied for all around it.

We advise the immediate purchase of shares in the EAST LLANGYNOG MINING COMPANY (Limited), at £2 lbs. each. From the discoveries of ore already made it is believed this mine will commence paying dividends within four months from the formation of the company.

ABERDAUNANT.—An important discovery has taken place in this mine; the lode will yield 4 tons of lead per fathom.

Business promptly transacted in every available security.

The following shares should be purchased:—TAQUARIL, ABERDAUNANT, GETFRON, TANKERVILLE, DEVON CONSOLS, NEW ROSANIO, and GREAT VOR shares.

C H A R L E S T H O M A S, MINING AGENT, AND GENERAL SHAREDEALER, 3, GREAT ST. HELEN'S, LONDON, E.C.

Second Edition. Now ready, post free, sixpence,

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Parties holding mining shares not having daily quotations, can learn their correct market value on application to Mr. THOMAS.

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Also, price 6d.,
COLONIAL AND FOREIGN PATENT LAWS.
By GEORGE DAVIES, C.E.
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DAVIES, C.E. (late John Davies and Son).
Established 1835.

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MR. THOMAS SPARGO, STOCK AND SHAREDEALER,

OLD BROAD STREET, LONDON, E.C.

MESSRS. G. LAVINGTON AND A. PENNINGTON,
44, THREADNEEDLE STREET, E.C., STOCK AND SHAREDEALERS
have SPECIAL BUSINESS in the undermentioned:—
Pacific Gold.
East Lovell.
East Lovell.
East Caradon.
East Caradon.
East Caradon.
Eronfloyd.
Erongloyd.
Erongloyd

Carn Camborne. Bronfloyd. Great Rock. Eclipse. Taquaril. Tingroft. TO INVESTORS .- NOW READY.

AVINGTON AND PENNINGTON'S "MONTHLY RECORD OF INVESTMENTS," containing an exhaustive Review of the British and Foreign Stock and Share and Money Markets, &c., with an enumeration of safe investments, paying from 10 to 20 per cent. Price 6d. per copy, or 5s. annually. G. LAVINGTON and A. PENNINGTON, 44, Threadneedle-street, London, E.C.

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MINES, RAILWAY STOCKS, and other Securities of all descriptions.
Dividends at the rate of 5, 10, and 15 per cent.
Consult Mr. JOHN B. REYNOLDS' SPECIAL LIST OF INVESTMENTS.

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M. R. THOMAS THOMPSON, JUN., STOCK AND SHAREDEALER AND MINE AGENT, 5, WHITEHALL, S.W. Mr. THOMPSON advises the immediate purchase of THORNHILL REEF GOLD shares (Victoria). The issued capital is only £15,000, which amount will contrast favourably for dividends with some of the more pretentious companies having immense capital. The mine is fully proved, and has large reserves already laid open.

MESSRS. J. HUME AND CO., 74, OLD BROAD STREET,
Publishers of the "Investment Record and Mining Review."
MINES.—Rast Chiverton, 2%, £1; West Tankerville, £35%, £37%; Taquaril, £15%, £15% pm.; Ecilese, £3%, £0, pm.; Gense, £4%, £0, pm.; Gense, £4%, £0, £45%; £ast Lovell, £32, £33; Theroft, £45%, £47%; Eberhardt, £13, £14; South Condurrow, £1%, £44%; Cook's Kitchen, £17, £18; East Pool, £9%, £10%; Kitty (St. Agues), £6%, £9.

SPECIAL BUSINESS in Tagnant, Floating Floati

SPECIAL BUSINESS in Taquaril, Eberhardt, and Eclipse.
Sales or purchases effected at closest prices.
Bankers: The London Joint-Stock Bank.

NOTICE OF REMOVAL.

HOOKE AND CO., STOCK AND SHAREDEALERS, LIFE, FIRE, AND MARINE INSURANCE AGENTS, have REMOVED their OFFICES to.—UNION COURT, OLD BROAD STREET.

their OFFICES to—

9, UNION COURT, OLD BROAD STREET.

We recommend investment in the ABERDAUNANT LEAD MINING COMPANY (Limited), in the Van district, on the Van iode. This mine is now making good returns of ore, and a third parcel of lead is being prepared for market; also in the EaST LLANGYNOG LEAD MINING COMPANY (Limited), the shares in which, as we anticipated, have advanced in price, and should be purchased immediately, as the price is still rising. Investors are advised to purchase quickly into Maxican mines, the richest field now offered for English enterprise. We are always in possession of the earliest and most rollable information. The GUATAMOZIN, advised exclusively by us, has risen in value in six months from £240,000 to £969,000. We are in a position to do even better with another mine. Confidential information to clients only.

At the rate of One Guinea per annum, we give investors information negltimate mining properties in the United Kingdom.

Our Circular for January contains mineral statistics of the highest value, as well as a list of approved mining investments. Price 6d., free to clients. Our February issue will be ready early in the month, and will contain, as usual, valuable information for investors.

FOR SALE:—Aberdaunant; 45 Terras, fully paid; 50 East Llangynog, £2 5s.; 20 East Terras, fully paid, £1; 5s.; 50 Cwm Ricket; 10 El Chico.

WANTED TO PURCHASE—Wheal Kitty (St. Agnes), Wheal Mary Ann shares, and Anglo-American Telegraph.

HOOKE and Co., 9, Union-court, Old Broad-street, London.

HOOKE and Co., 9, Union-court, Old Broad-street, London.

PARTLETT AND CHAPMAN, STOCK AND SHARE DEALERS, 36, CORNHILL, LONDON, E.C.,
The INVESTMENT CIRCULAR, published on the first Wednesday in each month. Subscription, 5s. a year, including postage; a single copy, 6d.
The HANDY-BOOK FOR INVESTORS, comprising a sketch of the Rise, Progress, and Present Character of every species of investment, British, Colonial, and Foreign; including an estimate of their comparative safety and profits. Bound in cloth, 10s. 6d.
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MONTHLY LIST OF BRITISH AND COLONIAL INVESTMENTS, showing the rate of interest returned in marketable stocks and shares, for the guidance of investors. 1s., post free.
Cheques to be crossed London and Westminster or Alliance Bank.

TO BE SOLD, FREE OF COMMISSION:— 25 Drake Walls, 23s. 9d.; 25 Prince of Wales, 35s. 9d.; 3 East Basset, 24 & 5.; 30 Terras Tin, 30s.; 25 West Panty-Go, 15s.—each. Address, "X. X.," Mr. Barber, 13, Royal Exchange, London.

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BUSINESS TRANSACTED, at close market prices of the day, in all the
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THE CORNWALL BLASTING POWDER COMPANY
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Beg to call attention to their WARRANTED WATERPROOF SAFETY
BLASTING CARTRIDGES, adapted for SUBMARINE BLASTING and USE
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For LATHE and PLANING TOOLS (requires no hardening);

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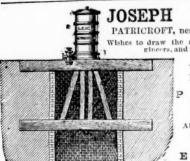
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A FEW SHARES IN THIS COMPANY REMAINING UNSOLD ARE TO BE OBTAINED AT £2 PER FULL PAID SHARE, ON APPLICATION TO THE BROKERS.

GETTING MINERALS.—The invention of Mr. G. SIMPSON, Glasgow consists mainly in arranging machinery so that the power may be applied at a distance from the point where the actual cutting operation is effected. By separating the motive power details and the tool, so that the former do not require to accompany the progressive motion of the latter, and are only shifted at comparatively long intervals, the framing or carrying parts can in consequence be rigidly fixed, and the action of the tool is rendered the more effective in consequence of the absolute steadiness thus obtained.

quence of the absolute steadiness thus obtained.

STEAM ENGINES.—Messrs, BARCOCK and WILCOX, Providence U.S.A., employ flat gridiron slide valves, one for induction and one for eduction at either end of the cylinder, operated in directions perpendicular to or trans versely across the direction of motion of the piston. These valves receive an intermittent motion from an eccentric in the ordinary manner. By the adjustment of these wedge bars and this ecceutric any desired amount of "lead," "release," or compression can be obtained. As the motion of the valves is slight, and as they remain stationary while closed, a small amount of power suffices to operate them, without the necessity for resorting to any means for "balancing" them, and the durability of the valve surfaces is greatly increased.

STEAM, ROLLEDE ... M. F. COREN, W. W. Legickel, first takes, a hound

bem, and the durability of the valve surfaces is greatly increased.

SEEAM BOILERS.—Mr. E. Green, Wakefield, first takes a barrel of a length corresponding to the length of the fines, or thereabouts; this barrel has a series of holes or apertures in it, over which tapered tubes are attached by rivets, which are passed through the flanges of the tubes into the barrel. The new or smaller ends of the tubes are either formed with the flanges on them from the same piece or pieces of metal, or rim flanges are secured to them, is found most convenient. The inventor arranges a series of such barrels side by side in a structure of brickwork, so that the whole of the surfaces of the barrels are subject to be acted upon by fire or the products of combustion thrown off from it, with the exception of the fore ends, which come through another to close up the spaces between them, and to form a roof or crown to the fire-box or flame-flac, so that the flame and products of combustion may pass to the back of the barrels and mix themselves between the tubes on their way to the upper parts of the tapered tubes are connected near their ends by short tubes one to the other,

to preserve the water level and allow of the steam mixing. The tops of the tubes are closed by covers, which are boited down to inside flanges on the tubes to make them steam tight.

ONVERTERS.—Instead of forming the converter with hollow trun-nions, and driving the blast through the same, and through a connecting pipe and side of the tuyere box, and closing the latter with a fixed cover in the usual way (and thereby preventing access to the tuyere box without removing such cover), Mr. J. Webster, of Birmingham, forms the converter with solid trun-nions, and with a circular and flanged belt and segmental hollow jacket, through whiteljacket the blast is driven, and in which the flanged belt works air tight.

which acket the blast is driven, and in which the flanged belt works alr tight.

CHALLENGE TO THE WORLD.—The Bristol Daily Times and Mirror, Ang. 16th, has the following: Mesrs, J.C. Swan and Co., of 16, Queen-square, in this city, have invented a pocket microscope, which is a marvel in all that such an instrument should be. It has great power, remarkable definition, and does not require focusising. The choapness of the article will make it exceedingly popular when its merits are more widely known. It is called the "Fistol Microscope," and is a great credit to the inventor, as much for its extreme simplicity as its power.—The Western Daily Press says: The Bristol Microscope has a magnifying power of :(,000 times, &c.—The Western Daily Tetegraph says: The Bristol Microscope is the most compact and useful scientific instrument we have ever seen; it possesses extraordinary power, and is very easily managed, &c. The price of the Bristol Microscope is only 23, or free by post, with printed directions, for 28 stamps.—Address, J. C. Swan and Co., Opticians, 16, Queensquare, Bristol

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HOLLOWAY'S OINTMENT AND PILLS-SKIN AFFECTIONS.-In all

Oniginal Connespondence.

VIRTUOUS LADY MINE.

VIRTUOUS LADY MINE.

Sig.—As the Virtuous Lady Mine, in consequence of recent discoveries, is likely to occupy a prominent position in the attention of the mining world during the current year, a few words on the famous old mine rany not be uninteresting to your renders.

It is situated in the celebrated Tavistock district—the richest for copper in England—near the junction of the killas and the granite, the geological position of nearly all the great mines. The rivers Walkham and Tavy, which here form their configuence, supply it with water-power inextanatible, unfailing in every season of the year—an advantage which was the compared of the compared to the comp

VIRTUOUS LADY.

VIRTUOUS LADY.

Sir.—Surely your correspondent in last week's Journal, signing bimself "Shareholder," ought to feel satisfied with the report of his own agents as to the value of this property without rushing into print, and dragging the "modest secretary" to a full explanation as to why he did not inform every shareholder that some great and lasting improvements had taken place at the Virtuous Lady, especially after Mr. Barnard has so feelingly expressed humself that "they who are whole need not a physician," Many mines are kept alive and sustained by quaekery, but the astute guardian of the Lady has never yet administered any other dose than an oplate to all who sighed for the hidden treasures of his fair "La Dame Vertucues." Mr. Barnard always has said—"Give me time, and astonishing riches shall flow from this mine." His "prophetic soul" ranged the deep recesses of "coquetish nature," and his practical eye saw wonderful evidences of vast deposits of minerals, and he predicted that it would be a great and valuable property. Happy, and most happy, and I to say that his predictions are hastening to their fulfilment. A rich lode of copper has just been struck in the south level, worth 10 to 12 tons to the fathoun, promising to yield thousands of tons of ore; Metherell's end is leading to a course of ore; the cross-cut will soon reach a rich caunter lode; the No. 1 in lode is worth fully 100, per fathom; the No. 2 tin lode, 20, per fathom; a new waterwheel was started on Tuesday; the stamps are ready, will be at work in a few days, when large returns of tin will be made, and by the end of February 800, worth of copper will be sold. Looking at the Lady every way, she is productive at last, and turning out the great prize promised by Mr. Barnard, whose success in this stile must be very gratefyling to every shareholder, and a convincing proof that his opinion on mining matters will hereafter be valued.

[ADVENDED MINE TERMS.]

[ADVESTISEMENT.]

VIRTUOUS LADY MINE-THE QUEEN.

VIRTUOUS LADY MINE—THE QUEEN.

SIR.—Allow me to hasten to the relief of the mind of "Shareholder," who I greatly fear must have been suffering from severe indisposition when penning his estemed favour of last week. It is with feelings of deep regret that I find myself no longer immaculate in his eyes; but perhaps a few words of explanation will restore me to the exalted position I seem to have until lately held in his estimation. I am neither "bull" nor "bear"—am simply a buyer of Virtuous Lady shares at Iss, seller at 29s., and if that little unster is to destroy my reputation then my doom is sealed. Guee a fortnight the report of the agents of the mine is inserted in the Mining Correspondence, but in future it will appear every week. As regards the appointment of additional managers or agents, that matter is, by the company's Articles of Association, left to the discretion of the directors. We shall have our next general meeting upon or about the data mentioned in the Articles; but, as that does not occur before next summer, let me hope that I shall have the pleasure of meeting "shareholder" at my London offlees in the course of a few weeks, and as I have not yet seen a penny on account of the salary voted to me, no doubt the grasp of the hand will be the less ley, and, at the same time, I can congratulate my unknown. I rise to be seen the bond we who were concerned in "picking up all the cheap shares that can be got hold of from those who do not know of the improvements." As for the dilatoriness of engineers and ironfounders, no doubt their faults are larged to the sharps and the contract will be entered into for them them going, and, now that we really have it, I am making arrangements for an additional six heads of stamps, and the contract will be entered into for them to be a two five of the mention of the mine. This is not the great encessal predicted—nay, what we now have is but a preliminary to the future brilliant denomenent which will follow anon. I request you, both friends and foes, to be honourabl

at the present day to equal the value and success of the Virtuous Lady, with her extraordinary water-power, over-4500f, in hard cash, and not called up capital to develope her numerous resources, and tin and copper lodes of such high money value as 50f, per fathom? This is, indeed, a glorious triumph, and if the lodes only last as they now are, and there is more reason to expect increased value and discoveries at other points of the mine, a few months will unable us to return thousands of pounds worth of mineral per month. It is possible to err, but I give my opinion freely and honestly, and, depend upon it, a grand success is as certain and safe as the Bank of England. These are my sentiments.

QUEEN.—I predict that the 50 will be cut rich—so rich, indeed, that it will double the present value of the will be cut rich—so rich, indeed, QUEEN.—I predict that the 50 will be cut rich—so rich, indeed, that it will double the present value of the mine, and another fortnight or three weeks will tell the tale—so there is not long to walt. By the indications at surface, and the improvements of the lode at the 40, I have worked out the problem by facts and figures, and it is, in my mind, as certain as fatothat we shall have a rich lode at the 50, worth at least 20!, per fathom, to be stoped away for 50s, per fathom, Give the mine until next June, when we shall be down to the 65, at the junction of the lodes, and the Queen will be one of the best mines in England—the shares 5!, each, and dividends 2s, sd. per share, instead of 1s., per quarter. The best investment of the day no sensible individual can doubt to be Queen's, at 2l.: King's, 1l.; Virtuous Lady, Il. Any day may now advance them 25 per cent. in price, and I advise their immediate purchase.

Tamar House, near Tavistock, Jan. 26. Thos. J. Bannard.

[For remainder of Original Correspondence see this day's Supplement.]

Meetings of Mining Companies.

BRYNPOSTIG MINING COMPANY.

BRYNPOSTIG MINING COMPANY.

A special general meeting of shareholders was held at the Great Western Hotel, Birmingham, on Jan. 18, to pass the following resolution, authorising the issue of debenture bonds to the amount of 50001.:—"That the directors be empowered to raise a sum not exceeding 50001., by the issue of debentures to carry interest at 71. per cent. per annum. The due payment of such debentures, with interest thereon at 71. per cent. per annum, to be secured by a mortgage with a power of sale to trustees, on behalf of the holders of such debentures, of the leases, mines, machinery, plant, and other properties of the company; such trustees to be appointed by the directors, and the directors, or one or more of them, may be such trustees or trustee. And any person who may have, prior to the passing of this resolution, advanced or consented to advance any portion of the said sum of 50001, shall have the benefit of the above security. Debentures to be payable in three years, and to be for such amounts as the directors shall determine, and the directors are hereby authorised to do all things which may be necessary to give full effect to this resolution."

Mr. JOB TAYLOR, J.P., in the chair.

The CHAIRMAN said that although the step now proposed to be taken was an absolute financial necessity, his opinion as to the future success of the mine was in no way changed. It should be recollected that it was agreed some time since to raise an additional capital of 50001, and had that amount been subscribed the present measure would have become unnecessary. The directors' opinion was attested by the large interest they held in the company, and by the fact that, in addition to their large hoffling, they had pledged their personal credit to the extent of 8001. They did not, however, think themselves justified in finding more cash without first apprising the shareholders. Hence the present meeting to ascertain their opinion upon the matter, and to let them know the exact position of the company, leaving it to them to d

subscribe the necessary capital, for unless the whole amount was forthcoming at once it would be impossible for the directors to carry on the mine. With those few remarks, he would ask Capt. Kitto to read his report.

Capt. J. Kitto read his report, as follows:—

In handling you my report of the above mine, beg to inform you that since the last meeting of shareholders we have completed the sinking of the engineshaft to the 60, divided and cased the same to the bottom, put in ladder-road, and have driven 10 fms. 3f t cast and if m, west on the cause of the lode. In the eastern drivage the lode is large, and yielding a little ore, but we may reasonably expect this to improve daily, as we are now getting into the run of productive ground that has yielded all the ore in the levels above; and what makes it all the more certain is the fact that we have within the last day or two drained the 48 dry, and have resumed the sinking of the sump below, which we had to suspend a short time since on account of the strong feed of water. This sump to which I refer will go down through the ore ground for the purpose of ventilating the level below, and opening out the ground for stopes. We have suspended driving the 48 east, and are pushing on the 36 (which is the furthest in advance) in search of fresh bunches of ore; the lode in this end is looking much more kindly than it has for a considerable time, and is letting out a large quantity of water, which indicates its near approach to ore-bearing ground. This (36) level is now fully half way between the engine and No. 3 shaft, and is being driven at the rate of from 5 to 6 fms. per month. The 48 west has been driving for some time past through a most promising lode, atways yielding a little ore, but not rich enough to pay; we are, however, daily expecting its producing qualities to improve, and I am sadly disappointed at not having the pleasure of reporting to you to-day a good and valuable discovery in this part of the mine—in fact, I have never seen a more kindly lode, or one m

still great confidence in a successful result.

Mr. Owen (a director) mentioned that the directors had power to take the course now proposed without the sanction of the shareholders; but in this, as in all other matters, they desired to confer with their constituency, feeling certain that as soon as the real circumstances and position of the mine had been made known, they would for their own safety, as well as for the safety of their property, feel it their duty to forward and assist the directors. As the Chairman had stated, the directors being the largest shareholders had done all they could to protect the shareholders' interests by advancing their own money, and it was but fair that they should at least have the financial co-operation of the proprietary.

man had stated, the directors being the largest shareholders had done all they could to protect the shareholders, interests by advancing their own money, and it was but fair that they should at least have the fluancial co-operation of the proprietary.

The CHAIRMAN mentioned that the directors and manager held 6000 shares, or more than one-third of the entire capital of the company.

Capt, KITTO, in reply to questions, stated that the returns would probably not exceed 7 or 8 tons per month until the60 had reached the ore ground gone down in the level above. The returns would then, of course, be very much increased, especially if the lode continued good.

A SHAREHOLDER asked if the current returns would meet the cost?—The CHAIRMAN replied in the negative, stating that the dead charges were as great for the present as they would be for largely increased returns. He might mention thay gave on behalf of the company.

Mr. TERRY asked when it was thought the mine would pay its way?—Capt. KITTO said if the 60 came into ore ground of the same character as in the level above, the expenses would be at once met by returns.

The CHAIRMAN was of opinion that the shallow ground should also be developed, for apart from depth he looked for successful results in that direction. It was not because they had had two poor levels that the mine was going to fall in depth, for where, he would ask, was the mine—however rich it might believe that the mine was going to fall in depth, for where, he would ask, was the mine—however rich it might benefit was not because they had had two poor levels that the mine was going to fall in depth, for where, he would ask, was the mine—however rich it might benefit was not because they had had two poor levels that the mine was going to fall in depth, for where, he would ask, was the mine—however rich it might benefit was not because they had had two poor levels that the mine was going to fall in depth, for where, he would ask, was the mine—however rich it might benefit was not because they had had th

EAST PLYNLIMMON LEAD MINING COMPANY.

The annual ordinary general meeting of shareholders was held at

The annual ordinary general meeting of shareholders was held at the offices, Austinfriars, on Jan. 20,

Mr. J. J. Pyne in the chair.

The London Manager read the notice convening the meeting. The report of the directors was read, as follows:—

Since the last general meeting your board have visited your property several times, and have pushed on the work with all the speed possible. The cross-cut going north (near the Plynlimmon boundary) to intersect the Plynlimmon lode has been driven during the past year of fines, and has just passed through a lode which may be the Plynlimmon, as you will see from Capt. Pauli's report, but your board intend to have this cross-cut driven a few fathoms further, in order to prove this. At the eastern boundary of the sett, near the River Wye, the addit evel has been driven on the lode during the past year 5g fines. but the order to prove them. At the eastern boundary of the set, near the River Wye, the add tovel has been driven on the lode during the past year \$2 fms.; but the end being still unproductive, your board have determined to suspend this point at present, and use all the force possible in sinking the shaft, which is going down in a very promising lode, composed of clay-slate, mundle, and spots of lead ore. Although your directors regret better results have not been attained during the past year, they still believe in the value of the property; and, from the very promising appearance of the lode in the bottom of the shaft, have no reason to doubt but that some good discoveries will in time be made.

The report of the manager (Capt. John Bendy

The report of the manager (Capt, John Paull) stated that—
To the east of the Plynlimmon Mine boundary a deep adit cross-cut has been
driven north 129 fms., and has just passed through a small vein or lode, which
probably is that worked upon in the Plynlimmon Mine, and which has there
yielded so much lead ore, but at several points in the Plynlimmon Mine (where
without ore) it is of the same character, and no larger than where now intersected in East Plynlimmon; and by driving upon it cast and west of the cross-cut it
being continued as before to prove whether this may not be a branch of the
lode, and the real vein still some fathoms before it, as branches or strings are
frequently thus come upon before the main lode is reached. While driving
westward on the lode now seen he would recommend the cross-cut to be driven
orthward in search of the lode which can be seen at surface, about 45 or 50 fms.
(eithe north of the Plynlimmon lode in going castward, and may be expected to be
intuited by a further extension of the deep cross-cut for 35 fms.; this lode has not
yet been worked on in the Plynlimmon set, but its 3ft. wide where seen cropping
out. An engine-shaft has been sunk is fms. from surface, or 12 fms. under the
fall level, had by 20w, only for the frost, which has prevented pumping. Acc. The report of the manager (Capt. John Paull) stated thatout. An engine-shalt has been sunk 19 fms. from surface, or 12 fms. from surface, or 12 fm adit level, and by now, only for the frost, which has prevented i

would be down to the 14, where it is proposed to drive out east and west on the course of the lode. The shaft is now being annk in a lode 6 ft. wide, containing a large quantity of mundic, which he believes indicate good bunches of lead ore at a greater depth. A 22-ft. water-wheel, 4 ft. in breast, with line of pumping-rods, &c., attached, has been erected, and a drawing-machine is upon the mine to be applied forthwith. Although the operations so far have not given satisfactory results in opening ore ground as was at first expected, he believes good discoveries may still be looked forward to from further explorations at the deep adit cross-cut, and by deepening the engine-shaft to prove the eastern part of the mine.

The CHAIRMAN moved that the report and balance-sheet be received and adopted. He did not know he had anything to add, except to state that he had personally visited the mine several times, and that he believed it would prove successful in depth. He had very great faith that they would have a very good lode at the 50, and believed that what they had just passed through was merely a branch of the lode.

Mr. CHARLTON having seconded the proposition, a discussion ensued upon the point as to whether the branch or lode cut was the Plynlimmon lode.

Capt. PAULL stated that he had seen the Plynlimmon lode in the Plynlimmon more than 6 in. wide, and afterwards open out as rich as ever.

Mr. MURCHISON mentioned that in Plynlimmon the adit level had been driven 165 fms., of which 150 were in ore ground.

Capt. PAULL said that, taking the respective bearings, the only conclusion was that it was not the same lode, and that they had yet to cut it. He added that the sett was about a mile in length.

The report and accounts were received and adopted.

The CHAIRMAN said the directors were very auxious to economise in every possible way, and consequently had decided to receive only one-half of their remuneration, and the London manager and Capt. Paull had kindly consented to do the same.

Mr. BELL, upon his re-election as director, stated that no effort on his part. The CHAIRMAN moved that the report and balance-sheet be received

to do the same.

Mr. Bell, upon his re-election as director, stated that no effort on his part would be spared to make the mine a remunerative property.

Mr. Buller was re-elected auditor.

A vote of thanks was passed to the directors and to the London manager and Capt. Pauli for the liberal manner in which they had come forward and voluntarily reduced their remuneration one-half.

The usual courtesies to the Chairman terminated the proceedings.

WEST STIPERSTONES LEAD MINING COMPANY.

The annual general meeting of shareholders was held at the offices, Austinfriars, on Tuesday,—Mr. COPE in the chair. Mr. Franklyn (Secretary) read the notice convening the meeting.

Mr. Franklyn (Secretary) read the notice convening the meeting.

The directors' report stated that immediately on the formation of the company the directors, in accordance with the recommendations of Capt. Williams, of the Van Mine, and Capt. A. Waters, of the Tankerville Mine, instructed their agent, Capt. R. Waters, to immediately commence the sinking of the new engine-shaft on the Roman Gravels vein, and to prepare for the erection of a water-wheel. The report of the manager, Captain R. Waters, states that all the preliminary work necessary to entering upon the full development of the various lodes in the company's property, and of the Roman via in particular, is accomplished, and the sinking of the new engine-shaft below adit will be proceeded with at once. The new engine-shaft continues to go down in a rock most congenial for the production of lead ore, now down 6 fms. below the adit, and sinking at the rate of 3 fms. a month. There is a branch or lode in the present bottom dipping towards the main lode, and from the large cavity therein they feel persuaded when the shaft reaches the said main lode that a productive mine will show itself. The adit south is driven from shaft about 60 fms., and is now crossing a country rock that is letting large quantities of water. They are looking every day for a discovery across their track, there being several lodes ahead. The machinery is working well. The total expenditure during the year, including machinery, was 12601. 16s. 11d., and the balance in hand is 3888', which the directors are advised is amply sufficient to fully develope the mine.

The CHAIRMAN said that the directors in their report endeavoured

during the year, including machinery, was 1260f. 16s, 11d., and the balance in hand is 388s!, which the directors are advised is amply sufficient to fully develope the mino.

The CHAIRMAN said that the directors in their report endeavoured to epitomise the whole of the proceedings since the last meeting. Something like three months had been lost by hindrances which could not have been avoided, otherwise they would have been down to the 22 fm, level, at which depth they hoped to see something of the Roman Gravels lode, but that point would probably not be gained until about the end of March. As to the accumits, be thought the directors deserved the commondation of the sharcholders for the economical manner in which every detail had been carried out—the preliminary expenses, instead of being as in some cases 1000l, or 2000l., did not exceed 400l., and in wheel and expenses 1290l. there was included a substatiary—was cash at call of 3500l., and a barried the hands of the cantest carried was cash at call of 3500l., and a barried the hands of the cast call of 350l. He thought they might look forward with confidence the linear of the capital sufficient to sink the mine to a depth far below the middle which was landered to be more than a speculation. He moved that the report and balance-sheet be received and adopted.

Mr. GEACH seconded the proposition.

Capt. WATERS explained at come length the prospects at the different points of operation. The engine-shaft was sunk 7 ms, below the adit, and the adit had been driven south 66 ms. The lode in the adit was about 4 in. wide, and 8 ft. below it increased to 18 in., a good portion of which was lead ore. Capt. Williams, manager of Van, was the last person in that sink, owing to the water, and he expressed himself perfectly satisfied with what he saw. Every fathom the shaft was sunk to near the lode was approached, and any day the water might be taken off that lode, when they would be able to sink on the ore. The old mine was also being drained, which was 100 ms. from the n

Mr. General solidate it was pretty well admitted by the Roman Gravels people themselved the Roman Gravels people the

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY,

A general meeting of shareholders was held at the Cannon-street Hotel, on Wednesday,—Mr. HENRY MOOR in the chair. Mr. C. H. FIELDER (the secretary) read the notice convening the

meeting.

The report of the directors stated that the return of gold for the year had been small, and compared unfavourably with previous years, the average yield being only 4 dwts. 23s grs. per ton. against 7 dwts. 5 grs. hast, and 8 dwts. 23 grs. the preceding year. For the first ten months the yield from quartz alone in no case came up to an average of 4½ dwts. per ton. During the month of April it fell to the unprecedented low average of 3 dwts. per ton. During the month of April it fell to the unprecedented low average of 3 dwts. per ton. The last three months show a considerable improvement, the average being 5 dwts. 15 grs. per ton. The pyrites and blanket sand treated during the year amounted to 436 tons 16 cwts., and produced 1420 cws. 6 grs. of gold, or 12 grs. per ton on the total quantity of quartz crushed. The quantity of quartz ernshed during the year of 52 weeks, ending Oct. 12, 1870, was 55,240 tons, being a decrease of 9349 cs. 1 dwts. compared with the yield obtained in the previous year. The average yield per ton on the quantity crushed from the commencement—568,095 tons—has been 9 dwts. 21 grs. The loss on reduction, as shown by the assays of taillings, compares very favourably with previous years, awaraging 1 dwt. 214 grs. per ton, against 2 dwts. 4 grs. per ton on the previous year; and deducting the gold obtained from the pyrites by subsequent treatment, the average loss is reduced to 0.19°68 grs. per ton, or 14°42 per cent. of the entire gold contents of the quartz.

The Collin's street property has (conditionally on a title under the Lands

needicing the gold obtained from the pyritos by subsequent treatment, the average loss is reduced to 0.19°c8 grs. per ton, or 14°22 per cent. of the entire gold contents of the quartz.

The Collin's-street property has (conditionally on a title under the Lands Act being obtained), been sold for 4000. The reserve fund at this date amounts to 6501. Is. Stock of the New Three per Cent. Annutites, as against the sum of \$2524. 4s. 3d. at this time last year, the difference, 17516, 3s. 3d., having been sold to meet the draft of 16901. drawn by Mr. Bland on the board, to meet this company's proportion of the working expenses during the late low yields. There are no liabilities in England nor in the colony, other than the current monthly working expenses. The revenue account on Dec. 31 shows a balance to its credit of 1649. 3s. 7d. after debiting it with the balance of 1649. 3s. 7d. does not enable the directors to recommend the payment of any dividend at the present time, but from the improvement which has taken place in the yield and the roduction in cost, they hope to be in a position shortly to declare a distribution on account of the thirteenth dividend.

The CHAIRMAN did not know that the directors had very much to The CHAIRMAN did not know that the directors had very much to say in addition to that which appeared in the report. They were, of the course, sorry they were unable to declare a dividend in respect of the workings of the year; but although the 12 months' operations had not resulted favourably, the directors were glad to be able to state with the state four months had shown a decided improvement, and gave good promise of a continuance. By a telegram received half an hour since from Mr. Bland, dated Melbourne, Jan. 2, it appeared that the tobe is not yield from the mine was still improving, that the two weeks of the month the yield had increased from 5-21 to 6-2 dwts., so that they were gradually working pulping to a better paying yield. Although they had had some unfavourable features or the gradually working the still of the still of the country of the still during the year, there had been others of a favourable character. For instance, the expenditure in the colony, the reduction of which the board at home had

urged, had been decreased, and they now expected to be able to work at a profit with ore yielding 4 dwts, per ton, whereas with the former amount of expenditure they were not able to make a profit upon 5 dwts,—this was as good as giving an additional pennyweight for every ton of quarta raised. Looking at the amount of dividends paid during the past seven years, he thought the shareholders had bad a good many grains of comfort, for in that period something like \$7,50t, had been paid, being equal to 90 per cent, upon the capital, or an average of nearly 13 per cent, per annum. Postersing a mine that could make such returns, and looking at the words of their resident manager that the yield of gold was gradually improving, he did not think the shareholders had any reason to look at the prospects with a gloomy eye. (Hear, hear.) It was not for the board of any company either to inflave its position or unduly depreciate it—they had given in their report all the information they possessed, and he would content himself by moving that the report and balance-sheet be received and adopted.

The motion was put and carried unanimously, without discussion.

Upon the proposition of Mr. Thompson, seconded by Mr. Ranspord, the re-election of Mr. H. Moor as director was carried.

Upon the proposition of the Charrian, seconded by Mr. Naylon, the re-election of Mr. Miggrove as director was carried.

Messrs, Sutton and Tletkins were re-elected auditors.

A vote of thanks was passed to the Chairman and directors.

The Chairman, in acknowledging the vote, stated that although they were unable to declare a dividend upon the present cocasion, he hoped the time was not far distant when they would be able to do so. (Hear, hear.) He then proposed that the best thanks of the shareholders be given to Mr. Bland for his services during the past year. — Mr. Beyan seconded the proposition, and stated that they not had been particle unanimously.

The usual courtesies to the Chairman terminated the proceedings.

VICTORIA (LONDON) MINING COMPANY.

The ordinary general meeting of shareholders was held at the Cannon-street Terminus Hotel, on Wednesday,
Mr. HENRY MOOR in the chair.

Mr. C. H. FIELDER (the secretary) read the notice convening the

eeting.

The report of the directors stated that, although the results of the The report of the directors stated that, although the results of the year are not discouraging, the operations do not justify their recommending a dividend at present. The investments at the date of the last report represented the sum of 18,372,168, 64. Since which calls have been paid on Prince of Wales shares, 124; Ballarat and Clunes, 124, 108; United Albion and Prince of Wales, 304. = 544, 108, making 18,9274, 58, 64. The share in the Barfold Essate Company having been realised, deduct 2195, 118, 64. The sum of 16,781, 158, represents the remaining invokements in the company a smooth of the company and the company and the company are smooth of the company and the company are received their resulted here. The loss on this investment, 7974, 88, 94., has been debited to capital account. The dividends received during the year were—From United Albion and Prince of Wales Company, 154; Prince of Wales Company, 724; South Clunes Company, 2994, 108, — 3884, 108; Interest and registration fees, 394, 108, —making 4294. The working expenses have been—in the colony, 314, 48, 104; in London, 121, 68, — 1524, 104, 104. The company's financial position in the colony on Oct, 30, and in England on Dec. 31, was—Union Bank, Melbourne, 394, 188; Imperial Bank, London, on general or revenue account, 200, 188, 2d.; capital account, 3881, 18, 2d.; unclaimed dividends, 304, 08, 104; pretry cash, 31, 108, 64.

petty eash, 3l. 10s. 6d.

The CHAIRMAN, having referred to the financial position of the company, said he might mention a fact in connection with the South Clunes Company which militated against the opinion of the share-holder who at the last meeting wished the company to be wound-up. Had that gentleman's wish been carried out they would not probably have realised more than 2000l, for the 4000l, invested in that company, while by the advices to hand lately the aggregate value of these shares was something like the sum of 18,000l. That was a feature it was right the shareholders should know—In fact, that brought up the 16,000l, including the 4000l, to something like 30,000l, and in addition to that they had been receiving dividends in the meantime. Since the date of the report the amount standing to the general account had increased from 940l. to 951l., and the expenses in the colony had amounted to 31l. 4s. 1d., and in London to 121l., including sceretary's salary, office rent, clerk, &c. The auditors, he might add, had agreed not to take any remuneration whatever for their services during the years 1893 and 1870. It would be in the recollection of the shareholders that at the last meeting, when the proposition was made to wind-up the company—which the directors opposed—there was a sort of implied promise that no further investments should be made until they saw what the lapse of time brought forth. But they now aw that the South Clunes Company was going on prosperously; and by the last advices from Mr. Bland, the London and McIbourne scened likely to turn out a very good luvestment, and the board now proposed to employ the amount in hand in further investments. What those investments may be be could not say; but supposing there were no opposition on the part of shareholders, investments would be added to the directors and the shareholders might rest perfectly satisfied that, guided by the experience of the past, the utmost care would be exercised in the selection of judicions investments. He then moved that th The CHAIRMAN, having referred to the financial position of the

mously. Mr. R. H. Bland and Mr. Westby were re-elected directors, and alesses. Wingrove and Sutton auditors.

The CHAIRMAN mentioned that Mr. Bland had also given his services for the last two years gratuitously, and proposed that a vote of thanks be passed to him for his services. — Mr. Surron, in seconding the proposition, said it was but right to mention that the Chairman and directors had also worked without remuneration.—The proposition was put and carried unanimously.

A vote of thanks to the Chairman and directors terminated the proceedings.

MINING NOTABILIA, [EXTRACTS FROM OUR MINING CORRESPONDENCE.]

Camborne, Jan. 26.—The market is very firm, and shares in tin mines have been in good request, and upon the capitulation of Paris no doubt it will further strengthen the markets for all stocks. The principal mines dealt in are Cook's Ritchen, Theroft, East Lovell, Cara Brea, North Roskear, North Crofty, Great Wheal Vor, Wheal Margaret, Rosewall Hill and Rauson United, East Seton, Cara Camborne, and South Frances. Cook's Kitchen, 19 to 19½, firm; this mine is looking well. They intend creeting more stamping machinery and a beam-engine, which will eventually greatly add to the value of the mine.—Theroft, 49½ to 50½, firm. East Lovell, 31 to 32; Cara Brea, 45 to 50; a great number of shares have been bought at once they will pay well.—North Roskear: These shares are enquired after; the price is difficult to got at. The new management seems to give general satisfaction, and it is thought by some that after awhile the mine can be brought to pay; but the outlay will be great affirst, no doubt.—North Crofty, 2½ to 23½; these will go better also.—Great Wheal Vor shares have risen in a week from 3½ to 3½, 9, owing to an improvement at Edward's shaft for fin; this is a good thing for the neighbour-hood, as of late it has been looking very dull.—Wheal Margaret, 9½ to 10; this is the cheapest mine on the market for investment.—Rosewall Hill, 25s. to 30s.; East Seton, 25s. to 30s.; the prospects here are encouraging.—South Frances, buyers, 30 to 31. The metal market showing firmness, especially for tin, or or or the prospects of the prospects of the prospect of the order of the prospect of the prospect of the order of the prospect of the prospect

TIN TRADE.—The following are tenders for a parcel of tin ore sold at Wheal Seton, on Tuesday, by competition, and which was bought by Mesars. Tregoning and Co. :—Mesars. Daubuz and Co., 801. 15s.; Mesars. Thos. Boitho and Sons, 804. 12s. 6d.; Mesars. Williams, Harvey, and Co., 801. 15s. 6d.; Truro Company, 801. 15s.; Mesars. Tregoning and Co., 841. 10s.; Penpoli Company, 844. 5s.; Redruth Company, 851. 10s. A correspondent. commenting upon this saie, remarks that the advocates of the sale of tin ore by private contract have in this another instance of the benefit derived by those few mines which sell their produce by tender.

FLORENCE AND TONKIN UNITED.—A general meeting of this company was held at the mine, on Jan. 19. The opinion of several mining agents were read, and each strongly recommended the working of the Tonkin tin lode, from which profits may speedily be made. The mine bids fair to be rich in tin, copper, and lead. A call of 1s. per share was made. Mr. Adam Murray, of Loudon, occupied the chair.

WEST WHEAL COIT (Tin).—In last week's Journal an error was made in the prospectus of this company, by stating the division of shares to be 1000 instead of 2000. Gentlemen wishing to secure an interest should make application as early as possible, as the first meeting will be held the beginning of next month.

SOUTH CONDURROW .- The sale of tin for this month is most un-

SOUTH CONDURROW.—The sale of tin for this month is most unsatisfactory, and will not produce such a sum as will give the profit necessary to pay the dividend stated by so many persons as about to be declared. The server frost that now exists has a very serious effect on the tin-dressing, and almost closes this department. The lode said to be cut in the 20 fm, level west is nothing but an attempt to run up the price of shares beyond their real value. WHEAL RUSSELL is still looking well, and making steady profits, at the rate of about 300L per month. They have about 10,0.00L worth of ore in sight, and no mine is worked more cheaply. There is plenty of water and machinery to last for years. No land carriage will be required, as the River Tamar flows through the sett. On Saturday a dividend of 600L, or 1s. per share, will be paid.

paid. GUNNISLAKE (Clitters) is looking well, and it may be expected that e mine will shortly be out of debt, and in a position to declare a dividend. GEW MINE is full of activity, and will soon be in the market with

tons of tin, and all this is being done without any puffing whatever. WHEAL ARTHUR, at Calstock, will be the next tin mine to be added The shares are now obtainable at a low price, and will

prove a good investment.

EAST TERRAS (Tin),—The report of Captain James is inserted in another column. He gives a most satisfactory description of the property. From his high position and well-known straightforwardness much value attaches to his opinion; it corroborates that formed by Qapt. William Richards, many years ago, confirmed by competent authorities since, and practically de-

Birdseye Creek Gold Mining Company

CAPITAL £60,000, IN 15,000 SHARES OF £4 EACH.

Payment on application, 10s. per share; on allotment, 30s. per share; balance of £2 in six months afterwards.

DIRECTORS.

GEORGE BATTERS, Esq.,
A. G. KITCHING, Rsq.,
J. T. P. PECHEY, Esq.,
RICHARD WARD, Esq.,
J. E. BOWE, Esq., Palmerston-buildings, E.C.

Directors of the Sweetland Creek Gold Mines (Limited).

BANKERS-THE CONSOLIDATED BANK, Threadneedle-street, E.C.

SOLICITOR—ROBERT BAXTER LOWNDES, Esq., 4, Adam's-court, Old Broad-street, Brokers—Messrs. ST. ALPHONSE and HALLS, 75, Old Broad-street, E.C. SECRETARY—Mr. W. J. LAVINGTON.

OFFICES,-9, UNION COURT, OLD BROAD STREET.

ABRIDGED PROSPECTUS.

or mines worked by the hydraulic process, and certain water rights, with a valuable canal or aqueduct for supplying the requisite water.

valuable canal or aqueduct for supplying the requisite water.

The properties, which are at present under separate owners, and are known respectively as the "Williams" and "Necee and West" properties, are situated in Little York Township, Nevada County, California, about three miles from the Dutch Flac Station on the Pacific Railroad, 18 days' travel from England, and are in the californial of the whole of the water for their development they can be made exceedingly profitable. If worked vigor would not be exhausted, it is estimated, for 50 years.

The miles which have been worked very remuneratively, are largely produced with development they can be made exceedingly profitable. If worked vigor which development they can be made exceedingly profitable. If worked vigor would not be exhausted, it is estimated, for 50 years.

The queduct was constructed 18 years ago by the present owner, and with almost ompleted extent for the remainder of the year. The water, besides supplying the bout to find the profits of the whole property.

The calima on Independence Hill. Only one of these only be worked, and the profits of the whole property. It is estimated, so the continued for 24 hours, as is usual in the district, and the returns be protionately increased.

The miles were in three groups, as follows, and the reports set forth—

1.—That there are seven claims on Brown's Hill, only two of which are worked, and you only one of these could be commenced at one. From this hill £200,000 in gold has been extended, and only one of these, or three united as a sunse of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,000. It conducts the water a distance of about £20,

This company is formed to purchase sixteen richly auriferous gravel claims are mines worked by the hydraulic process, and certain water rights, with a railuable canal or aqueduct for supplying the requisite water.

The properties, which are at present under separate owners, and are known espectively as the "Williams" and "Necee and West" properties, are situated in Little York Township, Nevada County, California, about three miles from in Little York Township, Nevada County, California, about three miles from the Dutch Flat Station on the Pacific Railroad, 18 days' travel from England, and are in direct telegraphic communication with London.

The mines, which have been worked very remuneratively, are largely productive, and with a trifling outlay, and by employing the whole of the water for the development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their development they can be made exceedingly proflable. If worked vigor-their control of the continued for the other claims on Bout £10,000. With a limited outlay, there of the other claims could be owned, and the proflat of the whole proflats of the whole property, the control of the other claims could be worked, and the proflat of the whole of the other claims could be owned by the other claims on bout £10,000. With a limited outlay, there of the other claims could be owned to the

BIRDSEYE CREEK GOLD MINING COMPANY (LIMITED).

CAPITAL £60,000, IN 15,000 SHARES OF £4 EACH.

10s. per share on deposit, 30s. on allotment, and the balance in six months.

NOTICE IS HEREBY GIVEN that the SHARE LIST will CLOSE on MONDAY, the 30th instant.

9. Union-court, Old Broad-street, Jan. 25, 1871.

W. J. LAVINGTON, Secretary. By order,

BRAZIL.

Morro Da Glonia Gold Mining

COMPANY (LIMITED).

CAPITAL £75,000, IN 75,000 SHARES OF £1 EACH.

The shareholders having the option of paying up their shares in full, and converting the same into share warrants, transferable without any transfer fee.

2s. 6d. per share on application; 7s. 6d. per share on allotment.

Share warrants, 2s. 6d. per share on application, and 17s. 6d. on allotment.

DIRECTORS.

ALEXANDER BEATTIE, Esq., M.D., Director of the Delhi and London Bank (Limited), GEORGE HENRY BROWN, Esq., Director Universal Life Assurance Society.

ROWLAND COX, Esq., 3, Great Winchester-street-buildings (late of Rio de Janeiro).

ROBERT MONACH, Esq., 16, Regent's Park-road (late of St. John del Rey Company).

(With power to add to their number.)

BANKERS—THE NATIONAL PROVINCIAL BANK OF ENGLAND, AND ITS BRANCHES SOLICITORS—Messrs. SHEPPARD AND RILEY, 38A, Moorgate-street, E.C.

TEMPORARY OFFICES, -38a, MOORGATE STREET, LONDON, E.C.

ABRIDGED PROSPECTUS.

The property is within five and six miles of that of the St. John del Rey | Mining Company.

Mining Company.

Reports by the captain in charge of the St. John del Rey Company, of Mr. H.

Dumont, C.E., Capt. Roberts, and Mr. W. H. Richards, late of the St. John del

Rey Company, establish this property as being most valuable.

There are six auriferous formations on this property—two can be traced more
than a quarter of a sile on the surface; the principal of which are of a similar

nature to the Morro Velho Mine of the St. John del Rey Company, from which

£1,000,000 sterling has been made,

The gold is very pure, being above 23 carats fine, worth nearly 9s. per oltava.

The estate is very large, and contains abundance of timber, and large and excellent pasture grounds.

Date of contract, 26th November, 1870. Names of the parties to the contract, Commendadore Francisco de Paula Santos of the one part, and Henry William Matbias, on the part of the company, of the other part.

Copies of the agreement, and Articles of Association, can be seen at the offices of the solicitors to the company.

Prospectuses and forms of application for shares may be obtained at the offices of the company, and the brokers, bankers, and solicitors of the company; and the brokers, bankers, and solicitors of the company; and the foreign of the company is and if no allotment be made the deposits will be returned in full.

monetrated by the success at the adjoining mine of Great Terras, the east and west lodes of which (by far the richest part of the mine) run directly through the East Terras sett. As soon as the weather permits active operations will be commenced, and returns of this soon be sent into the market. The demand for ahares in the Terras Mine having been deservedly great, a considerable advance in price mas taken place, and the property held by comparatively few advancturers: hence the readiness with which the East Terras undertaking has been subscribed for, thus enabling the directors to adopt prompt and vigorous proceedings to develope this undoubtedly valuable property.

PRINCE OF WALES (Silver).—One of the finest specimens of silver ore seen in London from any British mine has been brought up from the Prince of Wales Mine this week, by Mr. John Hitchins, and has been viewed by a number of persons at his office. It weighs 531bs., contains a good deal of ruby silver, and is supposed to be worth from 40t. to 50t. Is is expected that a large quantity will be raised.

FOREIGN MINES.

TUOLUMNE (Gold).—E. S. Hast, Dec. 19: During the last few days the men employed in stoping the quartz in the south drift of the lowest level have met with some rich-looking rock, and we are anticipating the pleasure of sending you word of a good crushing by the end of the month. We anticipate our weekly crushing to average 100 tons. The repairs in the mill have been somewhat delayed owing to some heavy rains during the first week in the month, which made the roads so had that it was impossible to get the timbers here till the rains ceased and the roads improved. The cost of this repair, I am glad to inform you, will not be so heavy as we at first anticipated, as all we require new! st he mortar-block and foundation timbers. Since the 10th the weather has changed to sharp frost, and the mountains are all covered with snow. We are fortunate in getting all our timbers down for the mill before the snow commenced.

PESTARENA—T. Polyonta I. Mitabell Lea W. W.

evered with snow. We are fortunate in getting all our timbers down for the mill before the snow commenced.

PESTARENA.—T. Roberts, J. Mitchell, Jan. 17: We melted yesterday, and consigned to Signor Carlo Menozzi, on account of the present month, dingots of gold obtained by a small number of mills at Pestarena, and that by the mills in Piedimulera establishment up to the 16th, weighing together 5107 grammes, equal to 1640-xs. 5 dwts. 1 grs., from 230 tons of ore. The cold weather continues to be very severe: so far this month we have only been able to treat with the small mills in the Marmazza Valley 3 tens of ore, and not any ore at Battiglo establishment; according to present appearance we are about to have a change for the better. The cartage of ore to Piedimulera establishment has not been impeded for several days past. For the remainder part of this month we hope to be able to do better than we have done in the first part of it.

— Thos. Roberts, Jan. 21: The snowstorm mentioned in my note of the 19th is over, and the past two days we have been with a great force of men clearing snow from the roads from Val Toppa Mine. We hope to be able to resume sledging and carting ore to the establishment on Monday, the 23d. The snow at the Piedimulera establishment is 15 in. deep, and at the mine 30 in. deep. We have been obliged to suspend for the present the picking of the ore at the mine; from this, and our not being able to bring a better class of ore from the mines, our gold production for this month will not be as much as last month, having had to treat a poorer class of ore lying at the establishment. I will write again on the 23d.

BHINE.—J. Garland, Jan. 23: Schmelzer: On the 14th inst. a large

write again on the 23d.

RHINE.—J. Garland, Jan. 23: Schmelzer: On the 14th inst. a large quantity of water from the old workings broke in at the back of the north level, on the Torl lode, bringing down with it a great deal of lode-stuff in a fine state, and blocking up the levels. Driving was necessarily suspended for a few days.

We were enabled to resume the driving of the cross-cut on the 18th, but the north

level will not be cleared till to-morrow or the following day, as the water being quick we have but little opportunity to haul stuff. We shill labour under this difficulty until we have the pumps. The stuff brought down with the water contained a great deal of blende, and, in fact, was good saving work for this ore. The ground in the cross-cut is very hard—harder than any we have had. We have driven 8 fms. from the shaft.—Marienfrende: The dole in the north-east adit level has not altered since my last.—Adele: The adit level, going east, is being driven pretty rapidly through a fair grauwacke.

[For remainder of Foreign Mines, see to-day's Supplement.]

WATSON BROTHERS, MINING AGENTS, STOCK AND SHARE DEALERS, &c., 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

SATURDAY.—Market active. Great Vors advanced to 9, buyers, in consequence of a good improvement. East Grenville, Grenville, Tincroft, Rosewall Hill, Carn Brea, East Lovell, Marke Valley, Taquarll, Agar, and South Condurrow sought after, and firm at quotations. Great Vor. 8½ to 10; East Grenville, 3½ to 33; Grenville, 4 to 4½; Tincroft, 49 to 51; Rosewall Hill, 30s. to 35s.; Carn Brea, 40 to 50; East Lovell, 32 to 33; Marke Valley, 7 to 7½; Taquarll, 45s. to 47s. 6d.; Agar, 2 to 2½; South Condurrow, 4¾ to 5; Now Beldon, 15s. to 20s.; Great Laxey, 17 to 18; Kitty (St. Agues), 9 to 9½; Chontales, 10s. to 15s.; Don Pedro, 2 to 2½.

MONDAY.—Market moderately active for Prince of Wales, Grenville, East Grenville, Taquarll, Carn Brea, East Lovell, New Lovell, Don Pedro, and Great Laxey. Prince of Wales, 37s. to 40s.; Grenville, 4 to 4½; East Grenville, 3½ to 3½; Taquarll, 43s. to 45s.; Carn Brea, 40 to 50; East Lovell, 31 to 32; New Lovell, 1½ to 2½; East Caradon, 5 to 5½; Great Laxey, 17 to 18; West Chiverton, 49½ to 50½; East Caradon, 5 to 5½; Great Laxey, 17 to 18; West Chiverton, 49½ to 50½; East Caradon, 5 to 5½; Great Laxey for Prince of Wales, 18 carade demand to the 45 to 75 to 7

19½ to 50½; East Caradon, 5 to 5½; Great Vor, 8½ to 9; Rosewall Hill; 27s. ed. to 30s.; Tincroft, 49 to 51; Tankerville, 13 to 13½; West Maria, 25s. to 28s.; Tuesoak.—There is a good demand to-day for Prince of Wales, Greaville, East Grenville, Crebor, Carn Brea, Greav Vor, and Great Laxey, Taquarli weaker. Prince of Wales, 37s. to 39s.; Grenville, 4 to 4½; Kast Grenville, 32 to 39s.; Grenville, 4 to 4½; Kast Grenville, 32 to 39s.; Grenville, 4 to 4½; Kast Grenville, 32 to 39s.; Grenville, 4 to 4½; Kast Grenville, 32 to 39s.; Great Vor, 8½ to 9; Great Laxey, 17 to 18; Cook's Kitchen, 18½ to 19½; Drake Walls, 23s. to 25s.; East Lovell, 31 to 32; Marke Valley, 7 to 7½; New Beldon, 15s. to 17s. 6d.; North Crofty, 2 to 2½; Roman Gravels, 9½ to 10½; South Condurrow, 4½ to 4½; Tankerville, 13 to 13½; Kitty (St. Agnes), 9 to 9½; Margaret, 8½ to 9; Uny, 3½ to 3½; Taquarli, 41s. to 43s.; Don Pedro, 2½ to 2½; Eberhardt, 14 to 14½. WEDNESDAY.—Market very active for Prince of Wales, Great Laxey, Great Vor, West Maria, and Crebor, Taquarli and Don Pedro flatter. Prince of Wales, 37s. 6d. to 40s.; Great Laxey, 17 to 18; Great Vor, 3½ to 9; West Maria, 30s. to 25s.; Crebor, 10s. to 15s.; Taquarli, 37s. 6d. to 40s.; Don Pedro, 2½ to 2½; Providence, 37 to 38; East Caradon, 5 to 5½; East Lovell, 31 to 32; Tincroft, 49 to 51; West Chiverton, 49½ to 50; South Condurrow, 4½ to 52; Greaville, 3½ to 45s.; Drince of Wales, 36s. to 38s.; East Lovell, 82 to 33; West Chiverton, 49 to 50; South Condurrow, 4½ to 52; Greaville, 3½ to 4½; East Grenville, 3 to 3½; Great Vor, 8½ to 9; Rosewall Hill, 27s. 6d. to 30s.; Marke Valley, 6% to 7½; Great Laxey, 17¼ to 17½; Carn Brea, 40 to 45; South Condurrow, 4½ to 48; Greaville, 3½ to 4½; Providence, 37 to 38; Taquarli, 48s. to 47s.; Prince of Wales, 36s. to 38s.; East Lovell, 34 to 46; West Chiverton, 49 to 50; South Condurrow, 4½ to 48; Greaville, 34 to 48; Drince, 37 to 38; Taquarli, 48s. to 47s.; Prince of Wales, 38s. to 48s. Lovell, 32s. to 33s.; Van, 44 to 56; West Chiverton, 49 to 50; Don Ped

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ABERDAUNANT.—Henry Francis: The large bonders of lead ore found in the trowllym portion of the sott are evidently from the back of the lode of great richness, and active operations should be carried on to discover it; I cannot too atrongly recommend thia being done. At the eastern extremity of Aberdaunant grant, on the great Van lode, and adjoining the Van Consols Mine, a deep adit level has been driven a considerable distance into the hill on the flookan part of the lode; and I am decidedly of opinion, from the great width of the lode, and from the back of the lode on surface being charged with fine stones of lead ore for a considerable distance up the hill, that good discoveries will be made in this level on the north or footwall of the lode-such, in fact, has been the case in the western end of the hill at Aberdaunant on the same lode, and I cannot discover any reason why the same results will not be meet with here. In following the back of the great Van lode westward from the deep adit at eastern base of the hill, Aberdaunant Mine is met with, and for a distance of several hundred fathoms between these two points the lode is of such strength and character that It is easily discernable by the undulation the back of it forms in the hill from one point to another. At Aberdaunant Mine rich and important discoveries of ore have been met with in the No. 2 adit level east; this level has gone through two rich bunches of lead ore on the hanging side of the lode, whilst in driving further east a most important discovery of lead ore has been made on the north or footwall, worth now 4 tons of ore per fathom for the width of lode taken down. In the Aberdaunant deep adit east we have been cross-cuttling north, with a view to find the ore gone down from No. 2 adit. There is no lode in the end of deep adit east at present; it has, in my ophinon, been thrown to the north, at least the silied in the end appears to indicate as much; but I have no doubt, when found, it will prove of a favourable character for

BEDFORD UNITED.—J. Phillips, Jan. 2s: There is no change to notice today. We shall take down the lode in the different levels, and give a full report
next week.

BLUE HILLS.—S. Bennetts, A. Gripe, Jan. 21: The ground in the shaft continues much the same, and the lode seems to be gradually becoming better defined, and containing some tinstuff. In the 6s, east of Letcher's, the lode is
2 ft. wide, and worth 10t, per fmr; west at the same level it is unproductive,
On the Wheal Betsy lode the 13, east of Polycar, is worth 15t, per fm. The stope
above this level is worth 7t., and that above the same level; west of gossan, 8t,
per fathom. There is but little change in the various tributes.

BRYN ROYALTON CONSOLS.—T. Parkyn, Jan. 26: We are now engaged
in putting up a rise from the back of the adit, or tunnel, to the surface. At
this point i shall have a shoot, as in working the clvan as sopen cutting or quarrying, commencing from the surface, is shall be in a position to fill the tram
wagons from the boctom of the shoot. In a short space of time I shall have two
or three of these shoots, so that the stamps will be supplied with tinstuff, and
you will see that the stamps can be supplied an enterpy cleap rate. We have
driven some considerable clistance me elevate on the property cleap rate. We have
driven some considerable clistance me elevate on the surface, and is
listing out a large stream of water. The engine-base is delivan is 12 fms. wide,
and is laid open high and debove water as I stated to you at the onnet. An
adit level was driven, intersecting the clusters is factor you the surface, and is
letting out a large stream of water. The engine-base is deliven in the surface, and is
letting out a large stream of water to the see of the custing, and also the dressingfloors. This is a wood mynorial feature—you having a full supply of water all
the year round, without numping. You will observe this mine can be
worked as open curry or an addition to the large stream
of mine the two properties and the other lod

employed, whon good returns of tin will be at once made. I beg also to state that the dressing-floors are all laid out in readliness for the dressing of the tin. that the dressing-floors are all laid out in readliness for the dressing of the tin. that the dressing-floors are all laid out in readliness for the dressing of the tin. The dressing will be realised.

CAE GYNON.—T. Hodge, Jan. 21: The engine-shaft is below the 50 about 5½ fathoms, the ground in which is moderate; there is more water coming one, which rather retards our progress; sinking by six men. The 50 to drive west, by six men, at 84, per fathom, the lode in which is looking exe-celingly promissing, yielding coarse dressing work. I hope to value this can in my next. The 40 to drive west, by four men, at 74. his, per fathom; the lode is disordered by a cross branch. The stop in the bottom of the 40. east of No. 1 wince, by six men, at 31, per fathom; the lode will yield 12 exts. of lead per fathom. The 31 to drive west, by low more, at 81, the per fathom; the lode is vielding some good stones of lead and blende—a promissing lode. The 30 to drive east, by two men, at 61, 10-s, per fathom; I intend to drive this to reach the junction of the north and south lodes, which I calculate is about 10 fms; it is rather an interesting point to see, as the north lode has not been seen in this mine to the cast of the junction. To stope the bottom of the 30 west, by two men, at 21. Iss, per fathom; and will report upon it in my next. All the filling and landing to two men, for one month, at 64. Iss., the takers to pay all esst.—Tribute: A pitch in the back walks is about 10 fms, it its rather an interesting point to see, as the north lode has not been seen in this mine to the cast of the junction. To stope the bottom of the 30 west, by two men, at 21. Iss, per fathom; a limited of the same will be a summary of the same will be a summary of the same will be summary of the same summ

a leader of mundic in the north part of the level running parallel with the lode. In the 100 cross-cut there is searcely any alteration to notice since the least report.

CAPEL BANHAGLOG.—J. Kitto, Jan. 26: Since my last report there has been but little change in the mine worthy of remark. We are still continuing to drive east on the course of the lode, which has increased in size to 4t. wide, and I expect within another fortught we shall reach the run of ore ground we passed through in the adit and 12 fm. levels, when I have no doubt of being able to report a decided improvement. There is nothing new in any other part. CAPPAGH.—W. Thomas, Jan. 23: During the last few days the lode in the winze sinking under the bottom level has not been taken down, but as far as can be seen it is still improving, and at the skip-shaft there is also a promising lode, consisting of quartz, carbonate of lime, and stones of ore. Since last report we have put down ladders from the 54 to the 64, west of skip-shaft, and traced the silde or cross-course from the 74 up to the 64, which appears to have made a great deposit of ore about this place and in the levels above; and, as there is whole ground in this direction, I am of opinion that we shall find good stopes of ore. The 64 and 94 have not been driven far enough west to intersect the cross-course, which underlies west, and has caused a very favourable change in the character of the ground; it will also, no doubt, cause the lode to be more productive in the deeper levels. There is no alteration in other places at work, but when we intersect the north lode in the 24 we shall push on the cross-cut north in the 44, which is already driven to within a short distance of the lode, not the state of the lode, and also cross-cut from the deeper levels. We are getting on as fast as possible with the diresting operations. CEFN CON-90LS.—Charles Mansbridge, E. Evans, Jan. 26: We have six men now working in the 9 fm. level, and getting evry good lead in the west driving. The men that were taken

No. 1 shaft in the last few days, so the men are still going on sinking. The smith and pitmen are busy preparing the pumps for this shaft. We are also getting the engine in working order; this can be done without mis expensive the engine in working order; this can be done without mis expensive the provided of the pro

vanced, but in this work we have and constant to the severe weather.

CRENVER AND WHEAL ABRAHAM UNITED,—Wm. Kitto, W. J. Paull
CRENVER AND WHEAL ABRAHAM UNITED,—Wm. Kitto, W. J. Paull

the 20 ms. level, on the two towns, as well and the profit of the without change. Pontrois. The audit level driving west, on Bitchie's lode, is without change. Pontrois. The audit level of the shaft is pretty well and evaneed, but in this work we have had considerable delay, on account of the series weather.

Sunt's enghe-shaft is elevered 35 fms. below the 200; the sumpone have been engaged entiting hitches and putting in a set of bearers to take up the bottom part of the bucket life. Pelly's knightness-Shaft: The lift is dropped 37t. below the property of the bucket life. Pelly's knightness-Shaft: The lift is dropped 37t. below the property of the bucket life. Pelly's knightness-Shaft: The lift is dropped 37t. below the property of the property in the pitch, and the third from the pitch is drawn to surface; we think it will be property of the prope

where to erect the machinery necessary for the execution and development

and where to erect the machinery necessary for the execution and urresponses.

EAST WHEAL GIGNYLLE.—G. R. Olders, W. M. Bennets Jan. 25: to have no alteration to notice un'erground from our advise of the 19th, because report with our settine on Satirshap.

EAST WHEAL GOVELL.—R. Quientrall, Jan. 25: The north lode, 6/6 frant. Satirshap.

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EAST WHEAL GOVELL.—R. Quientrall, Jan. 25: In the property of the satirshap.

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EAST WHEAL GOVELL.—R. Quientrall, Jan. 25: In the satirshap of the property of the satirshap of

per fathom. In the deep adit, driving west, the lode is 18 in. wide, and worth 5l. per fathom.

GREAT WEST CHIVERTON.—John Nancarrow, Jan. 17: No. 3 lode continues large in the end, and contains some very good looking flookan, and occasionally good stones of lead. It is certainly a very promising lode for the depth, and the men are making fair progress in driving.

— D. Q. Stickland, Jan. 26: in the adit level, which we are driving west by six men, we have had lead for nearly 12 fms. in length, with occasional strong masses, particularly near the bottom of the level, and evidently holding out well into greater depth, more especially within 6 ft. of the present end, where unexpectedly another lode, about a foot wide, came in from the south. The immediate effect of this function was to reduce the underlie of No. 3 lode from about 3 ft. in the fathom to only 20 lences, and to turn its course from 35° south of west more directly west. There is a good quantity of mundle in the new lode, and also in the end. The total width of the two lodes is at present fully 4 ft.; and considering that we have only 7 fms. of back to grass, our prospects for lead in the adit level, and at a moderate depth under it, are exceedingly good.

our prospects for lead in the adit level, and at a moderate depth under it, are exceedingly good.

GREAT WHEAL LOVELL.—Charles Bawden, Jan. 26: The men have cut into the lode in the bottom of Bawden's engine-shaft; it is 2½ ft. wide, and is worth 25L per fathom for tin. We intend sinking another fathom before driving on its course; this will enable us to open up another section of tin ground. The lode in the 15 west is worth 15L per fathom. The lode in the 15 is worth 15L per fathom or length of winze, 8 ft., a splendid looking lode; this winze is about 10 fms. to the west of Bawden's engine-shaft, by which it will be seen that we have a long run of tin ground going down in the bottem of the mine. We have now commenced stamping, and shall shortly be in a position to make regular monthly returns.

GREAT WHEAL VOR.—S. Harris, J. James, Jan. 25: We are making good GREAT WHEAL VOR.—S. Harris, J. James, Jan. 25: We are making good progress in slinking Ivey's shaft below the 216 fm. level, and both ground and iode improving, and producing good stones of tin. The 216 cnd driving west has been in disordered ground the last 6 ft. driving, but now presents better appearance, and we look forward to an early improvement. The 24 driving west is in a large well-defined lode, producing low quality tin-tuff. A winze sinking below this level, 10 fms. beinfud the end, is on a lode 2 ft, wide, worth 40t, per fathom. The 172 end driving west of Ivey's shaft, towards the winze sinking below the 162, has much improved, the last 6 ft. driving. Ired larger, and letting out a great deal of water; the lode is composed of similar nature stuff to that of the winze, which is now 19 fms. west of the end. Edward's shaft sinking below the 162 is down about 3½ fms., and has within the last few days intersected a well-defined lode, 2 ft. wide, worth full 15 l. per fathom; this is a nost important improvement, being in entire new ground, and as we have great facilities for both pumping and drawing, we shall soon open out a new afine in this western ground. We have commenced a cross-cut north from the 162 fm. level, 4 fms. west of Edward's shaft, with a view of intersecting the nost important improvement, being in entire new ground, and as we have great facilities for both pumping and drawing, we shall soon open out a new after in this western ground. We have commenced a cross-cut borth from the 162 fm. level, 4 fms. west of Edward's shaft, with a view of intersecting the same lode, which we expect to do in about 9 ft. driving. The winze sinking below the 162, 10 fms. cast of Edward's shaft, is down 7 fathoms on lode and the bottom of this level has not been worked for the past week, in consequences

branches 6 ft. wide, worth 80l. per fathom; this winze is opening up a valuable

branches 6 ft. wide, worth 80% per fathom; this winze is opening up a valuable place of ground, and when communicated with the 172 fm. level, from Ivey's shaft, and also with Edward's shaft, in the same level, we calculate to be in a position to increase our returns. The 152 fm. level, west of Edward's shaft, has been in disordered ground, and we are now cross-critting south in search of the lode. Our tribute department has rather improved the last month, and, on the whole, we are looking very much better.

[GWYDYR PARK CONSOLS.—W. Snyth, Jan. 24: Sutton's Shaft, 8 fathom level west: The lode here is about 10 inches wide, composed of spar, sulphur blende, and occasional stones of lead ore.—Back of 8 fm. level west. The lode here is rather improved, now worth about 8 cwts. of lead per fathom.—Vuchesias new adit, driving west: There is no particular change since last report; it continues to yield good stones of lead ore. By present appearance I think we must be very near under the old works. The water is daily increasing in the end.—Smith's shop end: Here we have taken down the lode; it is about 10 inches wide, composed of spar, sulphur, blende, and a little lead ore, but not enough to value.

HAREWOOD CONSOLS.—Thos. Neill, Jan. 25: The engine works well. Well.

inches wide, composed of spar, suppur, brouge, and a long to value.

HAREWOOD CONSOLS.—Thos. Neill, Jan. 25: The engine works well. We have not yet commenced slaking, as the hauling the water in fork. We have not yet commenced staking, as the hauling.

HAREWOOD CONSOLS.—Thos. Nelll, Jan. 25: The engine works well. We have the water in fork. We have not yet commenced slinking, as the hauling-machine is not yet completed, but will in a few days. We are now driving a cross-cut north, to intersect a lode that we sunk through about 7 fms. from surface; a fine looking lode, and from the water and mundie now coming from the end, I think we are near the lode. We shall resume the slinking of the shaft next week, and hope to make good progress.

HARLECH.—Edward Lloyd, Jan. 23: The discovery of lead reported and telegraphed is not altoger ber a new discovery, as it was what we always expected to find by driving our levels under more cover, so the lead which we have found, and are working upon at present is a continuation of the same string of lead as the one which Mr. Henwood saw when he was here. The said string when first found was but very narrow, but it has gradually improved daily, and is at present 12 to 15 inches wide at the forebreast of the adit, going down very strong, and is continuing to improve every day. We got good lead at the indide level, which is also gradually improving; this level is about 9 fms. further on than the adit, and the veln is from 9 to 10 ft. wide at the forebreast. It has always been my opinion that we have one of the best mines in Wales; the only things wanted are a moderate capital, siking deeper, and getting suitable dressing machinery; afterwards in a few mouths the mines will pay handsome dividends; in fact, the pytics alone would pay for the working, and return a good profit.

HINGSTON DOWN CONSOLS.—T. Richards, Jan. 26: At Balley's shaft,

dender; in face, the pyrites alone would pay for the working, and return a "HINGSTON DOWN CONSLA". Richard, Jan. 29: 24. Balley's shaft, sinking below the 10, the lode is 5 ft. wide, containing eapel, quartz, peach, mande, and waring work for un and copper ores. In the sump were sinking and copper ores about 20t, per fations. In the low of the low work the continued by the side of the low. In the select in the back or the low work and continued by the side of the low. In the select in the back or the low work and the low of the low o

sistem of the 100 nm. level cross-cut, according to instructions. North Lode:
re extending this level at a good rate, on a large, promising lode; it is letout a good deal of water, and producing large rocks of mundic and blende,
also some sprigs of lead orc. We hope to see a further improvement at this

of the quantity of water, but now the water is fallen back or decreased to that depth, which enables us to commence it again, and we are proceeding as fast as possible. The vein in the Metal winzo has and continues to improve, but it possible. The vein in the Metal winzo has and continues to improve, but it possible. The vein in the Metal winzo has and continues to improve, but it possible. The vein in the Metal winzo has and continues to improve, but it possible. The vein in the Metal winzo has and continues to improve, but it possible. The vein it is independent of the 7s tons soil to the Burry Port Company, but is not this is independent of the 7s tons soil to the Burry Port Company, but is not this is independent of the 7s tons soil to the Burry Port Company, but is not this is independent of the 7s tons soil to the Burry Port Company, but is not this is independent of the 7s tons soil to the Burry Port Company, but is not this is independent of the 7s tons soil to the Burry Port Company, but is not this is independent of the 7s tons soil to the Burry Port Company, but is not the father. I see that the value of Johnson's vein is hard to estimate in its present state, but should think, as far as i see, worth about 15 cwts, to the fathom. I estimate the tributors will have about 5 tons for their last take; they are to weigh on Saturday next, and have to clean and dress their ore, which will occupy that time. I do not expect they will care to offer again until this is done, and beyond this I could not think of stenting them any long-r time than cutting the orien the rise in the back of the 54 fm. level cross-cut, which is now up 4 fathoms, or one month tribute, upon the whole, cannot be much lowered, as the place is very expensive to work, but of no great profit to the company; it proves the ground, and may lead to great riches, as Johnson's is one of the cross-cutses, or great feeders to the north and south course.—Holly Bank: No change in the character of the ground, 5 ft. driven during the past week.—Narrow

tin, and if the lode is not found productive I shall be more than a little disappointed. The lode in the level diving west is better defined, but to-day I cannot say it is more productive.

**XEW VICTORIA (South Devon).—W. George, jun., Jan. 24: We are hastening on the driving of the cross-cuts in the 96 with all speed, and in each of them continue to make very fair progress. In the 86 east the ground has become a little harder. The lode in the winze in the bottom of this level continues to yield good stones of copper, and there are good indications that warrant our expecting a speedy further improvement as we get deeper. We are as yet only down about 3 feet. The water is far less than we anticipated.

**NEW WHEAL TOWAN.—Richard Pryor, Jan. 25: The lode in the adit level west on the copper lode is looking just the same as when I wrote you last. No change on the tin lode during the past week.

**NORTH CROFTY.—J. Vivian and Sons, W. Thomas, Jan. 26: There is no change to notice in the 220, west of Petherick's shaft. The lode in the 208 west has improved for copper ore, yielding 2 tons per fathom. We expect to communicate this end with the winze under the 196 in about one week; the lode in the winze will also yield 2 tons of copper ore per fathom, with a tin-producing part lying to the south. The lode in the 196 end west is 3 ft. wide, and worth 101, per fathom. The tribute pitch under the 183, cast of Praid's shaft, we continue to open on a south branch, which will probably lead to the south part recred to:

**NORTH DOWNS.—J. Williams, Jan. 24: The sump winze to sink below the

tinue to open on a south branch, which will probably lead to the south parreferred to. WNS.—J. Williams, Jan. 24: The sump winze to sink below the 70 fm. level, to six men, the month, at 16l. per fathom; lode worth 14l, per fm. The stope in the bottom of the 70, west of sump winze, to nine men, the month, at 4l. 10s. per fathom; lode worth 16lly 20l. per fathom. The rise in the back of the 70, west of west of western winze, to four men, the month, at 6l. 10s. per fathom, worth 6l. per fathom. The 60, west of King's shaft, to four men, the month, lode poor; price for driving, 6l. per fathom. The 40 cross-cut, west of King's shaft, to three men and three boys, at 3l. 15s. per fathom; we hope to intersect he lode here in a short distance more driving. The 20 cross-cut, south of Bennett's shaft, to three men and three boys, the month, at 3l. per fathom; we ware still meeting with branches containing copper ore and mundel, but as yet no regular lode.

worth 6c, per fathom. The 6c, west of King's shaft, to four men, the month, aled poor; perice for driving, d., per fathom. The 6c cross-cut, west of King's shaft, to three men and three boys, at 3c. 12s, per fathom; we hope to intersect shaft, to three men and three boys, the month, at 3c. per fathom; we are still meeting with branches containing copper ore and mundle, but as yet no return the control of the

ore of moderate quality. The lode in the rise in the back of this level continues

ore of moderate quality. The tode in the rise in the back of this level continues of a very promising character, and yielding a little saving week. The stope in the back of this level has yielded since my last six bags of silver ore of moderate in quality.

REDMOOR.—F. Bennetts, Jan. 21; Setting Erport: The hole in the 12 ft. wide. On the property of the property

state of the state

VALGHAN.—Jan. 21: In the deep adit level east the lode is 6 ft, wide, composed of a light clay-siste and -par, containing occasionally spots of sulphur, and without any change to remark. In the deep alit level east at 17 Frooting, the lode is 4 ft, wide, composed of a dark clay-siste, spar, and Bookan, with a "MITTOUS LAPY.—II, BOOWANI, Jan. 21: The new shaft was let to sink on setting day, to sk men, stented to boke at 10, per fathout, the ground is rather than the stenter of the composed of a dark clay-sinte, spar, and Bookan, with a "MITTOUS LAPY.—II, BOOWANI, Jan. 21: The new shaft was let of the Art of the level to decease, by four men, the level to decease, by four men, the level to be caused it is a level to decease, by four men, the level to decease of the level to decease

being made. In the resemble to the content of the tribute process detailed of an early improvement. There is no change in the tribute process. 3 notice this week.

3 notice this week.

3 notice this week.

WHEAL PRIENDSHIP.—Jan. 23: No change in the 170 north, west of the main cross-course; the ground is more spare for driving. In the 150, west of Whitburn's cross-cut, the lode has not been taken down during the present mouth's driving, but we intend taking it down this week. The lode in the 140, west of the western rise, is 2 ft. wide, worth 4 too fore per fathom. All our stopes are yielding about the same quantity of ore per fathom as last reported, excepting the stope in the bottom of the 150, cast of Ward's winze, which is very much fallen off in value. No change in the 80 fm. level cross-cut south in the tilebe.

very much fallen oit in value. As change in the 80 cm. level cross-cut south in the Glebe.

WHEAL GLENVILLE.—G. R. Odgers, Wm. Bennetts, Jan. 21: The lode in the 110 east is 20 in. to 2 ft. wide, and worth 81, per fathom. The lode in the 100 cast is 3 ft. wide, and fully 551 per fathom. The lode in the 90 east is worth 121, to 151, per fathom. The lode in the 80 east is worth 121, to 151, per fathom.—Dropper: In the 80, west from cross-cut, the lode is worth 121, to 151, per fathom. The stope above this level is worth fully 151, per fathom. The tributers are raising their usual quantity of tinstone.

— G. R. Odgers, W. Bennetts, Jan. 26: The men this week have in each place been desuing the lode, which they will take down to-morrow, in order that you may have the value and appearance of each place on Monday. We are now ongaged sampling the tributers' tinstone, which we think will be found much as usual.

may investigate the tributers' tinstone, which we think will be found much as usual.

WHEAL KITTY (St. Agnes).—Stephen Davey, Wm. Polkinghorne, Jan. 21:
New Shaft, Pryor's Lode: No change worthy of remark has taken place in the sinking of this shaft below the 118 fm. level during the week. In the 118 fm. driving west of shaft, the lode is worth for tin 17t, per fathom. In the 118, driving east of shaft, the lode is much the same as ween last reported, worth for tin 28t, per fathom. In the 105 fm. level, driving east of shaft, the lode is worth for tin 28t, per fathom. In the 105 fm. level, driving east of shaft, the lode is worth for tin 28t, per fathom. In the 94, driving west of shaft, the lode is worth for tin 28t, per fathom.—In the 94, driving east of shaft, we have met with a cross-course, which for the present has disordered the lode. In the 32 fm. level, driving west of shaft, the lode is worth for tin 18t. per fathom.—Old Lode: In the 32 fm. level, driving west of the Shaft, the lode is worth for tin 18t. per fathom.—Old Lode: In the 82 fm. level, driving west of WHEAL RUSSELL.—J. Bray, Jan. 25: The lode in the 25, east of the shaft, is worth 40t, per fathom. The lode in the 25 west is worth 18t. per fathom.

lode in the stopes west of shaft is worth 121. per fathom. The lode in the level is 6 ft. wide, producing good stones of ore. We shall sample on Friday

adit level is 6 ft. wide, producing good stones of ore. We shall sample on Friuar 160 tons of copper ore.

WHEAL SPARNON.—W. Tregay, Jan. 21: The north lode in adit east end produces a little tin in the sossan, and the ground is favourable. We are still securing the east adit.

WHEAL UNY.—W. Rich, M. Rogers, S. Coade, Jun., Jan. 21: The 160, east of engine-shaft, is worth 61, per fathom. In the same level west the men are engaged cutting trip-plat. In the 150 west the lode is worth 7t, per fathom. The rise in the back of the 150 east is worth 8t, per fathom, and looks likely to improve. The 140, east of Goodinge's, is worth 8t, per fathom. The stope in the back of this level, west of Sahft, is worth 25, per fathom. The rise in the back of the 140, west of Cock's haft, is yielding saving work for tin. The rise in the back of the 140, west of Cock's haft, is yielding saving work for tin. The rise in the back of the 130, west of this shaft, is worth 8t, per fathom. The 130, east of Boodinge's, is worth 20. per fathom. The 120 east is worth 101, per fathom. The 60 east is worth 8t, per fathom. The 62 east is worth 102, per fathom. The 63 east is worth 202, per fathom. The 64 east is worth 202, per fathom. We have put the wire-rope to work, which is a great improvement, when compared with heavy chains, for hauling purposes.

ROMAN GRAVELS.—The reports of Captain Williams, manager of Van, and Capt. Waters, manager of Tankerville, will be issued in a few days. Capt. Williams states that it is his third visit to the mine, and minutely describes every point of operation. He states that the mine in its present condition can return 100 tons of lead per month for six months without increasing the costs, and that in the meantime the different points of operation will have been communicated, and the ground opened, when the returns can be increased to 150 tons per month. If (says Capt. Williams) the explorations turn out as they indicate at present the day is not distant when Roman Gravels will send to market 200 tons of lead per month. Capt. Waters more than confirms all Capt. Williams's computations, and in an exhaustive report states that the present returns of 100 tons per month may be maintained for six months without working the mine too fast—that is, working the ore before it is properly cut up by winzes, or be maintained for six months without working the mine too fast—that is, working the ore before it is properly cut up by winzes, or putting on additional stopes. By that time certain operations (which are fully explained) will have been completed, which induces Capt. Waters to feel certain that rich courses of lead will be opened up that must add very largely to the monthly returns—to 150 tons, and and at the end of 12 months to 200 tons. This can be done without assistance from the south or all run of ore, and without any addition to the present machinery or plant. By an expenditure of 3500%, the returns can be increased to 300 tons per month. It is not much to say that these two comprehensive reports are equalled only by those well-remembered documents issued upon the Van Mine some twelve months since. More copious extracts will be given in next week's Journal.

REPERRY TIN AND COPPER MINE.—During the present month this mine has been very gradually improving, until Thursday, Jan. 19, when the lode in the 25 fathom level east suddenly improved very much, and is now still proving a strong valuable lode; the other ends are also showing good work. On Monday a conference was held by some mining captains, the result of which will appear in the Mining Journal next week, as also the assays of the samples taken from the different ends. It is confidently anticipated that a good profit will be shown on the next month's working, as everything will be completed by that time. The small number of shares into which the mine is divided renders it probable that a substantial dividend may be declared in a short time. It is evident that with the present price of tin, that if a mine is worth anything, as this is generally considered to be, it must be a first-class investment at the price.

EAST TERRAS.—It is stated that the lease of this mine, from the REPERRY TIN AND COPPER MINE,-During the present month

to be, it must be a first-class investment at the price.

EAST TERRAS.—It is stated that the lease of this mine, from the Hon. G. M. Fortescue, the sole lord, is at the office of the company, in Gresham House; and that the shares will be issued next week. The mine is to be conducted on the limited liability principle, and is said to be exceedingly valuable. The manager is Captain James, the superintendent of the adjoining mines, whose report will be found in another column of this day's Journal.

the superintendent of the adjoining mines, whose report will be found in another column of this day's Journal.

WHEALS HARMONY AND MONTAGUE.—The former prosperity and celebrity of the Redruth district appears about to return. A fine benefit for this par excellence mining town will be the re-working of these neglected old copper mines in so close proximity to the place; these mines in former days gave employment to hundreds of hands, and yielded profits reckoned by hundreds of thousands of pounds. Like all the now great tin mines in the locality, copper at the period referred to was the sole object of the adventur rs—in fact, so much was tin ore in lodes about Redruth neglected, that the miner seldom recognised or valued tin in the stone if he saw it. Well informed parties had often endeavoured to persuade the agents that tin could be profitably wrought, but at that time prejudice would admit no other sources of tin could be remunerative save tin streams (now exhausted), the Wendron, St. Just, St. Agnes, or St. Austell districts; most of these, too, have been so extensively worked as to be very expensive to continue except in new undertakings. It has been proved beyond all doubt, in fact it has long been known, that the backs of the great copper lodes in the Redruth district invariably carry tin in considerable quantities, as well as having positive tin lodes. In the days referred to the demand for tin was as nothing in comparison with that existing now, the price for black tin averaging from 35l. to 45l. per ton, whereas it is now from 75l. to 80l. Public opinion, frequently a good criterion, is decidedly in favour of this property as being certain to repay the outlay in a short time, and to add one more to the many permanent dividend mines in this and the neighbouring parishes of Illogan and Camborne. The publications of the prospectus, and the knowledge that these mines are about to be resusciated, have created considerable pleasure at Redruth.

TAQUABIL.—A telegram, in anticipation of the Oneida, couched TAQUARIL.—A telegram, in anticipation of the Oneida, couched in ambiguous language, led to large speculative sales of these shares, and being represented in the most unjustifiable light frightened many timid holders into selling, the fall being fully 10s, per share. On Thursday a telegram, dated a fortnight later, arrived, bringing the most satisfactory accounts; the stamps hitherto working on the debris had been some days employed on the regular vein stuff, and yielded well, 1200 oits, of gold had been obtained up to the end of last month. Further, the bottom of the old mine was drained, and operations are being vigorously prosecuted on the several rich shoots of gold already seen, while further important discoveries may any day be made. Altogether the prospects of large and immediate returns of gold are of a high order. By the February gold troop a remittance of gold will be made, and thus set aside all question as to the richness of the Taquaril Mine.

EBERHARDT AND AURORA.—Although the winter has set in un-

the richness of the Taquaril Mine.

EBERHARDT AND AURORA.—Although the winter has set in unusually early and severe, the extensive operations at these mines are progressing satisfactorily. The model mills, described in the Journal some few weeks since, were to have gone to work on Jan. 25, and in the meantime the small mill has been yielding profits sufficient to meet the whole of the expenditure incurred in placing the several properties in a condition to fully and permanently supply the new mills with ore. At the date of the last advices the wire-way was to have gone to work in the course of a few days. The Ward Beecher Mine, which the Eberhardt Company has acquired for 1000 of its fully paid, up shares, is described by competent authorities to be of Mine, which the Eberhardt Company has acquired for 1000 of its fully paid-up shares, is described by competent authorities to be of equal value to either Eberhardt or Aurora, for each of which the sum of 75,000% was paid. It cannot fail to be satisfactory to the shareholders to learn that the average yield of the ore now being treated by the small mill is equal to \$200 of silver per ton, which is equal to five times the return computed at the time the purchase was made.

"INVESTMENTS AND SPECULATIONS FOR 1871," by Mr. CHARLES THOMAS.—Some time since favourable attention was directed to the first edition of this pamphlet. From a second edition, which is advertised to appear to-day, it will be seen that the selection was made with judgment, and of utility to those who availed themselves of it, none of the shares recommended either as investments or speculation being now at a lower market price than at the time the pamphlet was published, while in not a few lustances a considerable advance has taken place. Mr. Thomas papears to have no intention of varying the selection made in December, and adds but one mine to the list.

"PROPITABLE INVESTMENT OF CAPITAL IN BRITISH AND FOREIGN NES." is the title of a pamphlet just issued by Mr. F. W. MANNELL. A judi-us selection appears to have been made, and the bases upon which the recom-ndations are made are clearly indicated. The pamphlet is worthy perusal lavestors.

THE MINING JOURNAL.—Now ready, neatly bound, price 11, 10s., VOLUME XL., FOR THE YEAR 1870. To be had through any newsagent or bookseller; or from the MINING JOURNAL Office, 26, Fleet-

The Mining Market; Phices of Metals, Ores, &c.

METAL MARKET-LONDON, JAN. 27, 1871.

COPPER. £ s. d. £ s. d.	IBON. Per ton.						
Best selectedp. ton 75 0 0-		2 6-7 10					
Tough cake and tile 73 0 0-	Ditto, to arrive 7	0 0					
Sheathing & sheets 74 0 0- 76 0 0	Nail rods 7	5 0- 7 15					
Bolts 75 0 0- 76 0 0		5 0-8 0					
Bottoms 76 0 0- 77 0 0		2 6-9 2					
Old 62 0 0	Hoons ditto 8						
Burra Burra 74 0 0- 75 0 0	Bars at works. 7	5 0-8 0					
Wireper lb. 0 0 10		2 6-8 5					
Tubes 0 0 101/2-103/4d.							
	Sheets, single 9 1						
BRASS. Per lb.							
Sheets 73/4d8d.		0 0-5 0					
Wire 7d71/4d.	Bars, common ditto 6						
Tubes 91/4d101/4d.	Do. mrch. Tyneor Tees 6 1						
		0 0-6 5					
Yellow Metal Sheathing 634d7d.	Do., Swed. in London. 10 1						
Sheets 6½d65%d.	To arrive10	2 6					
SPELTER. Per ton.		2 0-3 0					
		9 6					
Foreign on the spot £17 10 0-17 15 0	Do. Nos. 3,4,f.o.b. do. 2						
" to arrive	Railway chairs 5 1	7 0-6 0					
ZINC.	" spikes11	0 0-12 0					
In sheets£22 10 0-23 0 0	Indian Charcoal Pigs.						
QUICKSILVER (p.bottle) 12 0 0	in London, p. ton 6	5 0- 6 10					
QUICKSILVER (p.bottle) 12 0 0	In House, I. south .						
TIN.	STEEL.	Per ton.					
English blocks £135 0 0	Swed., in kegs(rolled) 12	10 0-13 0					
Do., bars (in bris.) 136 0 0	(hammered) 13	0 0-14 0					
Do., refined 139 0 0	Ditto, in faggots15	0 0					
Banca 133 0 0-134 0 0	English, spring17	0 0					
Straits 133 0 0	tingual shing						
TIN-PLATES.* Per box.	LEAD.	Per ton.					
IC Chargont let ann 1 c c- 1 8 c	English Pig com18	0 0					

REMARKS .- We note with satisfaction indications of vitality in va REMARKS.—We note with satisfaction indications of vitality in va-rious branches of the Metal Trade, which serve to prove not only the healthy condition of our markets, but from the sensitiveness observ-able, we may, with some increased assurance, believe that all that is wanted is a restoration of confidence, when we may expect a brisk demand, and a free circulation of business, such as has not been ex-perienced for a long time past.

COPPER.—There has been during the past week more enquiry for this match and transactions have assumed an importance which has

COPPER.—There has been during the past week more enquiry for this metal, and transactions have assumed an importance which has not been manifested for a considerable time. Reports from the East continue satisfactory. Stocks are diminishing, and fractionally higher prices are obtainable. Manufactured copper is still to be bought at a small advance upon the lowest point touched within a century, but other varieties exhibit great firmness at enhanced values. The feeling generally is that there is no prospect of a decline in the market, while the probability is that a combination of circumstances may very shortly coaus, which will result in a material edwares upon prevery shortly occur, which will result in a material advance upon present prices. About 4000 tons of ore and regulus have changed hands at 12s, 9d. to 13s.; Chili bars, to arrive, 66*l*. 5s. to 66*l*. 10s.; Lota ingots, 69*l*.; Wallaroo, 73*l*. 10s. to 74*l*.; tough ingots, 72*l*. to 73*l*., closs gots, 594.; Wallardo, 734. 108. to 744.; tough legots, 124. to 754. elosing firm at the last quotation; manufactured, nominally, 744. to 754. Charters from Chili, for the last fortnight in December, are announced at 1000 tons only, consisting of 400 tons of regulus and ore, and 600 tons of bars and ingots.

IRON.—Until within the last few days the market for almost all descriptions of iron has continued dull, but within the last day or two a more lively feeling has prevailed, and sellers take a more hopeful view of the future course of our market. According to the course,

view of the future course of our market. According to the compaview of the tuture course of our market. According to the comparative exports to the Indian markets, there seems great room for a considerable increase in the demand; the principal drawback exististing at the present moment is the unfavourable rate of exchange, but it is considered by many that a recovery will take place ere long. Staffordshire bars amongst makers generally are selling at a reduction of 2s, 6d, per ton upon late quotations. Swedish bars are in good request, and sales have been made for arrival at 10t. 2s, 6d., Indian assortment. Scotch pips have scarcely undergone any change, the assortment. Scotch pigs have scarcely undergone any change, the vouchers not amounting to more than a penny or so per ton; the eash price is 50s. 6d. Shipments continue to decrease, and stocks slightly increase; the severity of the weather greatly contributes to retard the shipping trade, and consequently a greater impetus will be given to

spring demand. LEAD.—There is no movement as yet to chronicle in respect to this market. The demand is quiet, with a slight easiness in prices, and sellers would not be indisposed to meet buyers' limits, but as there is nothing of importance transpiring quotations remain nominally

is nothing of importance transpiring quotations remain nominary without change.

SPELTER.—A large business is reported this week, and there is more speculative feeling exhibited than for some time past. Silesian has been sold at prices varying from 17l. 12s. 6d. to 17l. 15s., and 17l. 5s. to 17l. 10s. has been given for Rhenish and Belgian.

TIN.—The market has not been quite so strong during the week, and the English smelters have to-day announced a reduction of 2l. rest ton. Foreign is held loss strongly in consequence of the before

or ton. Foreign is held less strongly in consequence of the before entioned alteration that has been made in English. TIN PLATES.—The position of the market is unchanged.

STEEL .- Swedish continues neglected. QUICKSILVER as before.

IRON TRADE—(Griffiths' Weekly Report).—The conflicting rumours of capitulation and peace which have been so rife this week have created some excitement in the City, although we cannot say that trade of any kind has been improved by them. All we know for certain up to this evening is that Jules Favre is at Versailles, and important news is expected every hour by wire. This abnormal state of things causes the greatest stagnation in business, and the iron trade suffers with all the great staple trades of the country. All new enterprises stand still, waiting the momentous issue at this moment in the balance at Versailles. We shall now soon know whether the fall of Paris will be the signal for events of still greater importance in the same direction, or whether Gambetta will still continue to persist in his spirited efforts to galvanise the masses in the provinces to further feats of heroism in their patriotic resistance to the encreachments of the hated stranger, whose iron hoof has so long trodden down their fields and vineyards. It is a remarkable fact, in corroboration of our views, that the stagnation to business on the Stock Exchange during the last 20 days has been unequalled for 20 years, scarcely any business having been transacted in any department, although stocks generally are at tempting prices. We cannot thus be surprised that the iron market remains quiet and inanimate, As we stated last week, the Black Sea Conference has opened well, and continues to progress favourably, and we expect good orders from Russia for rails as soon as his question is settled.—Corphill, London, Jan. 28. IRON TRADE-(Griffiths' Weekly Report) .- The conflicting rumours

COPPER AND TIN.-Messrs. Vivian, Younger, and Bond-Some every large operations have been entered into during the past week, and a general advance of 20s. to 40s. a ton has taken place in values. Upwards of 60s. to 40s. a ton has taken place in values. Upwards of 66s. 10s. with a prompt. Also 3700 tons of Chill regulus at 12s. 9d., and 1000 tons of 1sp. per unit. For English tough 71s. for common and 72s, for best brands has been freely paid, and best selected has commanded a ready sale at 32s. Considerable transactions, amounting in all to about 200 tons of Wallarco, 731. Considerable transactions, amounting in all to about 500 tons of Wallaroo, have taken place at 721. 103. to 731. cash, and 731. 5x. with a slightly extended prompt. At last we are able to report an improvement in the enquiry for India sheets. Orders have been booked at 721. and 731. For other places the demand for manufactured has been highly satisfactory, so that it is to be hoped this branch of the trade will show more life than during the past year. On Wednesday the cablegram in advance of the Chill mail of Jan. 2 came to hand, advising charters for the fortnight of 1000 tons fine copper—600 tons in bars and ingots, and 400 tons fine in ores and regulus. In foreign Tin on the spot business is daily reported at 135s. cash, both Banca and Straits. Very extensive transactions for arrival have been done at from 131s. to 133s. The quantity of Straits shipping per steamer having exceeded the ordinary anticipations, prices for such lots are not cashy sustained. The demand for English is exceedingly smail, the prices being relatively very high.

ceedingly small, the prices being relatively very high.

COPPER,—Messrs, James and Shakspeare—About 2800 tons of ore and regulus were purebased by one of the leading Swansea smelters at 12-, 24, and this giving a firmer tone to the market, importers asked an advance of 3d, per unit, which they obtained yesterday for 1000 tons. In slab there have been several transactions at 64t, to 65t, for good ordinary brands, 64t, 10s, to 65t, for special marks, whilst for arrival or long prompt 10s, to 30s, extra was paid, according to the extra time required; buyers throughout appeared more willing to purchase than holders were inclined to sell, and as the bulk of the stock is not on the market it has been difficult to obtain any important quantity at the quotations of the day. Ingots have sold pretty freely at 69t, for Lota, 71t, per ton for double refined Urmeneta, and of the former the small quantity remaining is held in second hands. On the 28th inst. telegrams came to hand from Valparalso advising charters of 600 tons bars and lugots, 400 tons pure in ores and regulus, for the last fortnight in 1870; during the corresponding period 1869 the total charters were equal to 2500 tons pure.

through the severity of the weather preventing shipments to the northern continental ports, to which the major portions of the exports are consigned. Nevertheless we note sales of Wallaroo cake at 721.15s. to 731.5s., cash and slightly extended prompt, and of ingots of that brand at 731.10s. per ton. Burra is nearly all held by one importer, and the small quantity sold has, therefore, fetched comparatively high figures. Smelters are asking higher rates for English raw sorts, having disposed of considerable quantities of tough and select at their official quotations, 711. and 731, they are, however, open to orders for manufactured at our list prices. Yesterday evening sales of tough and select were reported at 10s. to 20s. advance on the official rates.

TIN.—English is in good downerd, and waless are formed to the content of the conte

il rates.

TIN.—English is in good demand, and makers are firm at their quotations. Foreign sorts are a little easier, several shipments of Straits being advised by telegrah as coming to this port, and importers have been effecting sales of these at 132s, and 131s, per cwt., which has caused a reduction of about is, on eash parcels; of these last a good quantity has been taken for export, and judging from the deliveries for that purpose, and what is known to have gone away for home consumption, the stock in London at the end of the month is likely to show a considerable diminution from that of the list instant.

the end of the month is likely to show a considerable diminution from that of the 1st instant.

The settlement of the fortnightly account in the MINING SHARE MARKET has been very heavy this week, and has to some extent interfered with general business, though it has, nevertheless, been beyond the average of many months, and prices, with few exceptions, owing to speculative accounts, have been well sustained. The shares mostly dealt in have been Wheal Grenville, East Grenville, East Lovell, South Carn Brea, Prince of Wales, Great Wheal Vor, Taquaril, Don Pedro, Great Laxey, West Maria, Crebor, New Beldon, Carn Brea, North Crofty, Tincroft, West Chiverton, Kitty (St. Agnes), Wheal Uny, and others. Carn Brea shares, 40 to 45; Cook's Kitchen, 17½ to 18½; Drake Walls, 23s, to 25s,; Dolcoath, 125 to 130; East Wheal Grenville, 2½ to 3.

East Lovell, 32 to 33; the north lode, 6½ fms. below the 80, is reported worth from 200l. to 250l. per fm.; the 80 east, 300l. per fm.; and the wituse below the 70 west, 80l. or upwards. Prince of Wales have been largely dealt in up to 37s, 6d., 40s., and leave off 37s. to 39s. The silver lode continues worth 50l. per fathom in the end, and we understand about 300l. worth has already been raised, and that next month it is hoped a good quantity will be sold.

Bronfloyd, 2½ to 2½; at the meeting, on Wednesday, the accounts showed a balance of 1506l. 14s. 11d. on revenue account, and a dividend of 1000l. was declared, leaving 506l. 14s. 11d. in hand. The agent's report stated that during the quarter he had only been able to sample 100 tons of lead ore, owing to alterations to floors, and the Christmas frost. The mine, however, is looking well at all points, and will shortly be in a position to increase its returns. East Frances, 30 to 32; at the meeting the accounts, charging October cost, and crediting 50 tons 12 cwts. of tin, 3876l. 19s. 3d., showed a profit of 181l. 13s. 7d., making with the balance carried forward at last meeting 637l. 19s. 10d.; and out of this a dividend of 11. per ing 637l. 19s. 10d.; and out of this a dividend of 1l. per share (512l.) was declared, leaving 125l. 19s. 10d. to carry forward. The agents, in their report, state that the reserves in the upper levels not being very large, the profits for the next quarter will partly depend on the holing of the winze from the 108 to the 120, which, when accomplished, will lay open some moderately productive tin ground. Roman Gravels, 10 to 11; the agent of Van has reported very favourably, and considers the different drivings, &c., will return 100 tons of lead per month for the next six months, and when more ground is opened 150 to 200 tons per month.

Gravels, 10 to 11; the agent of Van has reported very favourably, and considers the different drivings, &c., will return 100 tons of lead per month for the next six months, and when more ground is opened 150 to 200 tons per month.

South Carn Brea, 10s. to 15s.; at the meeting the accounts showed a balance of 1044l. 4s. 9d. against the shareholders, and a call of 2s. per share was made. The tin sold in the quarter realised 557l. 11s. 5d. The lode in the shaft for the last 14 feet has been valued at 20l. per fathom. Great Laxey, 17 to 18; Great Lovell, 1\frac{1}{2} to 1\frac{1}{2}. Great Wheal Vor advanced to 9, on a reported improvement, but have declined again to 6\frac{1}{4}, 7\frac{1}{4}, sellers. Marke Valley, 6\frac{1}{4} to 7\frac{1}{2}; North Crofty, 2\frac{1}{4} to 2\frac{1}{2}; Perran Wheal Virgin, 32s. 6d. to 35s.; Providence Mines, 37 to 38; South Condurrow, 4\frac{1}{2} to 4\frac{1}{2}; South Frances, 29 to 30; Tankerville, 13 to 13\frac{1}{2}; Tincroft, 48 to 4\frac{1}{2}; South Frances, 29 to 30; Tankerville, 13 to 13\frac{1}{2}; Tincroft, 48 to 4\frac{1}{2}; Wheal Agar, 1\frac{1}{2} to 2; Wheal Crebor, 12s. 6d. to 15s.; Wheal Grebor, 12s. 6d. to 15s

The Market for Mine Shares on the Stock Exchange during the week The Markettor Mine Shares on the Stock Exchange during the week has been moderately active. Taquarils have fluctuated considerably, having on the receipt of the report fallen to 1, 14 prem.; subsequent advices of a more favourable character established an advance to 14 prem. Eberhardt shares close firmer. Sweetland Creek shares, on the intimation that the frost had delayed their washing operations for two or three weeks, were driven down to 34, 4; subsequent advices state that a thaw had set in, that sufficient material had been blasted down to last for three months, washing and that the respected vices state that a thaw had set in, that sufficient material had been blasted down to last for three months' washing, and that the prospects generally are highly favourable; shares are very firm, at 4 to 44, and very scarce. Pacific shares are enquired for, at 1½ to 2. Eclipse shares have been ½ to ½ prem., but close ½ to ½. St. John del Rey and Don Pedros are steady. Birdseye Creek, ½ to ½ prem.; private advices, of a character confirming the official reports, have been this afternoon received. Tankerville, 13 to 13½; 75 tons of lead ore was again sampled yesterday; the mine is most favourably reported on. West Tankerville, 3½ to 3½; prospects for discoveries are good; this property adjoins Roman Gravels, with the same lodes. Roman Gravels, 10 to 10½; the report of Captain Williams, the manager of the Van Mine, who has inspected this property on three different occasions, to make himself thoroughly conversant with it, has been received; it is highly favourable, and confirms the advices of discoveries made since the mines changed hands. since the mines changed hands.

Van, 55 to 57; the great discoveries in the eastern part of the mine, and alse the general developments being made in the west, continue as rich as ever, opening up reserves equal to an addition of ten times the present returns. West Chivertons have been more offered, closing 47½ to 49½, but no change of importance is reported from the mines. Tin has fallen about 20s, per ton. The market for tin mine shares is very sensitive, fluctuating up and down on the market for that metal. The great feature in the rise is Carn Brea. Great Vorces to 32 but have fallen to 7½. Great Wheal Loyell is attracting rose to 93, but have fallen to 73. Great Wheal Lovell is attracting attention. The lodes of East Lovell and Trumpet Consols (profitable mines) run through this sett. Subjoined are the closing quotaable mines) run through this sett. Subjoined are the closing quotations:—Assheton, 4½ to 4½; Tan-yr-Allt, 1 to 1½; Devon Great Consols, 97½ to 102½; East Caradon, 5½ to 5½; East Lovell, 31 to 32; Great Laxey, 17½ to 17½; Great Vor, 6½ to 7½, flat; Marke Valley, 6½ to 7; Tineroft, 48 to 49; Almada, ½ to 1½; Cape Copper, 7 to 7½ prem.; Don Pedro, 1½ to 1½ prem.; Eberhardt, 13 to 13½; Eclipse, ½ to ½ prem.; General Brazilian, 1-16th to 3-16ths prem.; Port Phillip, par to ½ prem.; St. John del Rey, 23½ to 24½.

IRISH MINE SHARE MARKET.—The general business on the Dublin Stock Exchange has been and continues dull, but mining shares have verified almost sooner than we ourselves expected our opinion, recently expressed, that the unusually low prices would be sure to rise in a short time, and thus pay well the buyers either for investment or mere speculation. Mining Company of Ireland shares, which a few days since were on sale at 62, 12s, 6d., have already advanced to 71, 2s, 6d., with ready buyers, at 71, (71, paid); and Wicklow Copper shares (21, 10s, paid), having only a few days since been on sale at 72, 10s, rose on Monday to 81, 12s, 6d. and 81, 15s., but sellers, for realisation of profits, brought them down to 81, 7s, 6d., leaving off firm. This last quotation is likely to be further improved by the very encouraging reports received as to the result of the company's new patent process for utilising the "sulphur-smalls," of which they possess a large accumulation on the mine, it having previously been almost unsaleable. It will also have been satisfactory to existing shareholders to learn, from telegram, that the "Wicklow Copper and Arklow Chemical Works" Bill, to be presented to Parliament, has been declared to have complied with the Standing Orders of the House. The dissatisfaction with the management of the Mining Company of Ireland, expressed by the shareholders at their last half-yearly meeting, continues with less sound reason than impatience, at having, for several years, for the first time, been disappointed in the declaration of a dividend. Were the shareholders to take the trouble to compane their balance-sheet with that of many other mining companies, they would find that their directors have charged to their profit and loss account several heavy items which might have been carried to capital or to an "exploration account," But there can be no doubt that the course adopted by their board of directors is the safest for future prosperity. Connorree shares are in increased favour, at 5s. 6d. per share. Cape Copper shares are in linereased favour, at 5s. 6d. per share. Cape Copper shares are in linereased favour, at 5s. 6d. per share. Cape Copper shares are in linereased favour, at 5s. 6d. per share. Cape Copper shares are in linereased favour, at 5s. 6d. per share.

The BIRDSEYE CREEK GOLD MINING COMPANY (to which atten-The BIRDSEYE CREEK GOLD MINING COMPANY (to which attention was directed some weeks since) has been formed for the purchase of sixteen auriferous gravel claims worked by the hydraulic process, as well as certain water rights, with a valuable aqueduct for supplying the requisite water. The properties are situate in Little York township, Nevada county, California. They have been worked very remuneratively for many years, and it is stated can be rendered much more profitable by the employment of the whole of the water in their development. It is calculated that by the most vigorous working the mines cannot be exhausted for fifty years. The purchase money is 53,400%, of which 20,000% is taken in paid-up shares. Mr. Albion Chadbourn, of San Francisco, states that the reservoirs and aqueduct have cost 20,000%, and that permanent dividends of 5 per cent. upon the purchase price of the whole property reservoirs and aqueduct have cost 20,000%, and that permanent widends of 5 per cent. upon the purchase price of the whole property would be realised from the sale of water alone, but adds that if the company should use all the water power, instead of selling it to other miners, he believes a monthly dividend of from 2000% to 3000%, would be realised. There are also favourable reports from Mr. Charles Bever, M.E., of Grass Valley, California, and Mr. G. D. M'Lean, manager of Sweetland Creek. The prospectus appears in apother column. another column.

The PYRAMID RANGE SILVER MOUNTAIN COMPANY has been The PYRAMID RANGE SILVER MOUNTAIN COMPANY has been formed, with a capital of 500,0002., in 100,000 shares, of 52 each, for the purchase and development of silver ledges of unexampled richness in the neighbourhood of Arizona, United States. An assay of 40 lbs. of ore, consisting of 32 samples, was made by competent authorities in California, and found to contain from 86 to 134 ozs. of silver to the ton of ore. The purchase-money is fixed at 400,0002,, of which 100,0002, is to be paid in eash, and the remainder in fully paid shares. The shares are of two classes—60,000 A shares, to have a priority dividend of 20 per cent, over the remaining 40,000 B shares. Messrs, Coates and Hawkes, of Gresham-street, are now ready to receive applications for 40,000 of the A shares. The prospectus will be found in another column.

De round in another column.

The HUDSON RIVER COPPER COMPANY, whose prospectus is published in another column, is gradually filling up its list for the placing of the few unalloted shares. The fact of the mines being situated on the Hudson River, only about 45 miles from New York, is considered to be a great recomendation for the mine as compared with other American enterprises, as the facilities for management are so much greater. so much greater.

The gold produced from the mines of the Morro DA GLORIA COM-PANY, to the formation of which with a capital of 75,000L, in shares of 1L each, reference was made in last week's Journal, being of unusual purity (23 carats fine), will be worth upwards of 4L per oz.; and as the auriferous formations in the property can be traced for more than a quarter of a mile, the prospects of large profits can readily be estimated. The shares are quoted \(\frac{1}{2} \) to \(\frac{3}{2} \) premium.

The TROY SILVER MINING COMPANY, with a capital of 50,000*l*., in shares of 1*l*. each, has been incorporated to acquire and work some valuable silver mining property in Beaty's Canyon, Nye County, Nevada, U.S. The mines consist of five ledges—the Blue Eagle, Troy, Meridian, Welland, and Oakland—containing 1800 ft. each, and certain land and premises adjoining. The Articles of Association provide that the directors may issue 20,000 fully paid shares as part of the consideration for purchase. Mr. Ellery, of New York, reports that taken together as a mining property he does not think these of the consideration for purchase. Mr. Ellery, of New York, reports that, taken together as a mining property, he does not think these mines can be duplicated in Nevada; and Captain Aitken, F.G.S., of Bacup, Lancashire, mentions among the advantages connected with the property, the presence of a large number of well-grown pine trees, which clothe the canyons and hill sides, and which will furnish an available supply of fuel and timber for all purposes connected with the operations of mining and reduction of the ore for a very long period to come. Three cases of ore (not picked, but as it fell from the blast), have been analysed by Mr. David Forbes, F.R.S., and the results he has obtained show an average to the ton of ore of 26 cas. of silver, 9 grs. of gold, and about 2 per cent. of copper. These results are considered by competent judges to be highly satisfactory. The purchase-money is already paid, the property is conveyed to the company, and the works will be completed, and silver bars shipped, as soon as possible. The prospectus will be found in another column.

At West Wheel Frances meeting on Jan 19, the accounts showed

At West Wheal Frances meeting, on Jan. 19, the accounts showed a credit balance of 6381. A dividend of 5121. (11. per share) was declared. Mr. Rabling having resigned the clerkship, Mr. John Rowe was appointed clerk, at 41. 48. per month.

At Bronfloyd Mine meeting, on Wednesday (Mr. Balcombe in the chair), the accounts showed a balance of 15061. 14s. 11d. on revenue account, from which a dividend of 10001. (is. per share) was declared. The balance of assets and liabilities, after deducting the above dividend, showed cash in hand, on capital, 62681. 7s. 5d., and 5061. 14s. 11d. undivided on revenue. Lieut.-Col. the Hon. C. 8. Vereker, and Mossrs. Arthur Birch, George Desvignes, and Joseph Ramsdale, were elected to complete the board of directors, Mr. Thomas W. Plum being elected as auditor. A special resolution was passed to hold half-yearly meetings (in January and July) instead of quarterly, as heretofore, giving power to the board of directors to pay interim dividends for the intervening quarters. A vote of thanks was passed to the manager for the able manner in which he continued to conduct the company's affairs.

At North Pool Mine meeting (Mr. J. Rudall, jun., in the chair) the counts showed a balance of 2021. Ilabilities over assets, not estimating ore we ready for disposal, charging cost to December. A vote of thanks was acteded Mr. E. J. Bartlett for his exertions in bringing the mine into so favour-le a position. The report, which appears in its usual place, will be read the interest.

how ready and the report, which appears in its usual process able a position. The report, which appears in its usual process able a position. The report, which appears in its usual process able to the with interest.

At Dolwen Mine meeting, held on Wednesday, at the Victoria Hotel, At Dolwen Mine contains the contains a land. The contains a land. The contains the contains a land. The contains a land. The contains a land. The contains a land. Easton (Mr. Fauntieroy in the chair), the accounts showed:—Dr.: To balance, 20th Sept., 1931, 11s. 7d.—Against: Mine cost subsequent thereto, 1741, 13s. 1d.; leaving 21t. 18s. 6d. The assets and liabilities showed 1.50th further capital available for the prosccution of the mine, of which a call of 5s. per share, amounting to 750th, was made, payable on the 9th proximo. The directors were re-elected, and special resolutions passed to hold half-yearly instead of quarterly meetings.

At Wheal Courtenay meeting, yesterday (Mr. S. W. Daukes in the

are was made, payable on Feb. 4. At Llywernog Mine meeting on Wednesday, at the Victoria Hotel, Easton (Mr. A. Bridge in the chair), the balance-sheet showed:—Dr.: To receipts, 23637–17s. 10d.; and working cost for the quarter, 3397. 1s. 5d.; leaving balance in band, 2032f. 16s. 5d. The accounts were passed, the retring direct parts of the control of the

At Great Royalton special meeting, on Wednesday, the resignation of Mr. G. H. Poulton and Mr. James Murray, of Torquay, as members of the committee was accepted, Mr. John Coverdale, of Louth, being elected a member in their place. The mine has much improved during the last few days, an important point being the increase in value of King's lode in depth. In the 22 it is about four times as rich as in the adit, 12 fathoms above.

At the Great South Tolgus general meeting, on Friday, a call of 3s, per share was made; and at the special meeting, held immediately afterwards, it was determined to continue operations at the mine.

At the Penhale Wheal Vor Quarterly meeting, on Tuesday (Mr. T.

At the Penhale Wheal Vor Quarterly meeting, on Tuesday (air. I. Holroyd in theehalr), a statement of accounts was presented showing a balance of liabilities over assets of 781. 4s. The agent's report detailing the work done, during the past three months, and giving his opinion of the prospects of the undertaking, was read to the meeting, and a call of 10s. per share was made.

At East Caradon Mine meeting, held at Salisbury, on Jan. 11, there was a credit balance of 31361. Costs, 26821; including dues, 1541; credits for three months, 3191. The balance in favour of the adventurers at the last meeting was 26991, which has been increased during the past three months by 4371, which has been increased during the past three months by 4371, which has been increased during the past three months by 4371.

Geoper northern lodes are very promising.

COAL MARKET.—The fresh arrivals this week number 85 ships, principally screw steamers. The coal weather increased the demand for household coals, and a rise in price of fully 6d. per ton is established. In Hartleys no improvement. Hetton Wallsend, 18s. 6d.; Hetton Lyons Wallsend, 15s. 6d.; Tunstall Wallsend, 15s. 6d. Unsold, nil; 15 ships at sea.

EXPORTS OF COAL.—By the Monthly Circular of Messrs, Higginson, Liverneed we leave that the countity of coal experted in December.

EXPORTS OF COAL.—By the Monthly Circular of Messrs. Higginson, Liverpool, we learn that the quantity of coal exported in December was 826,608 tons, against 810,010 tons in the corresponding month of 1869, showing an increase of 16,598 tons. The particulars are—From the Northern Ports, 377,705 tons; Yorkshire, 43,151 tons; London, 4214 tons; Liverpool, 57,755 tons; Severn Ports, 286,858 tons; and Scotch Ports, 56,925 tons. The increase was—Northern Ports, 1327 tons; Liverpool, 6598 tons; Severn Ports, 19,361 tons. The decrease—Yorkshire, 370 tons; London, 398 tons; Scotch Ports, 9990 tons. Total, January to December, 1870, inclusive, 10,635,449 9920 tons. Total, January to December, 1870, inclusive, 10,635,449 tons, against 9,775,470 tons in 1869.

THE UNDERSIGNED TRANSACT BUSINESS AT DEALING

Kitty (St. Agnes), Marke Valley. Margaret. North Crofty. New Lovell. Providence. Penhalls. Tincroft.
Tankerville.
Terras Tin.
Van Consols.
West Chiverton.
West Frances.
West Tankerville.
West Seton. Assheton. Bronfloyd. Cook's Kitchen Carn Camborne. Dolcoath.
Drake Walls.
Don Pedro.
East Lovell.
East Basset.
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Penrhyn.
East Basset.
Prince of Wales.
East Basset.
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East Seton.
Plynlimmon.
East Caradon.
Perran Virgin.
Wheal Seton.
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East Caradon.
East Caradon.
Perran Virgin.
Wheal Uny.
Eclipse.
Rosewall Hill.
Great Lovell.
General Brazilian.
South Frances.
Wheal Jane.
General Brazilian.
Sweetland Creek.
Wheal Crebor.
Parties enquiring state number, when all communications will meet prompt attention.

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JAMES BRENCHLEY, 32, Nicholas-lane, Lombard-street, London, and Mining Exchange (Established Eighteen Years).

GRATIS-FORWARDED ON APPLICATION.

A TABULAR STATEMENT OF DAYS OF MEETING OF THE PRINCIPAL MINES DEALT IN ON THE LONDON MARKET.

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| Mars Brenchley, 32, Nicholas-lane, Lombard-street, London. | M ESSRS, WM., MARLBOROUGHAN, EC. (Established to years), have FOR SALE the FOLLOWING SHARES at prices annexed:—25 Aberdaunant, 27s. 10 East Pool, £10%. 10 East pool, £10%. 10 Eoch Consols, 39s. 55 Forntino, 9s. 68. 61. 20 Bronfloyd, £2 11s. 3d. 55 Mineral Bot. 4s. 20 Bronfloyd, £2 11s. 3d. 55 Mineral Bot. 4s. 20 Ceft Consols, £4%. 10 Ceft Consols, £4%. 10 Cert Consols, £4%. 20 Now Levell, 39s. 6d. 30 Caldbeck Fells, 18s. 55 North Pool, 19s. 9d. 10 Ceft Consols, £4%. 20 North Pool, 19s. 9d. 10 Ceft Consols, £4%. 20 North Pool, 19s. 9d. 10 Ceft Consols, £4%. 20 North Pool, 19s. 9d. 10 Key Bot. 10 Ceft Consols, £4%. 20 North Pool, 19s. 9d. 10 Ceft Consols, £4%. 20 North Pool, 19s. 9d. 10 Ceft Consols, £4%. 20 North Pool, 19s. 9d. 10 Ceft Consols, £4%. 20 North Pool, 19s. 9d. 10 Wineld Uny, £3%. 20 Per'Allt, 32s. 6d. 20 Don Pedro, 33s. pm. 5 East Lovell, £32%. 20 Per'Allt, 32s. 6d. 20 Wan Consols, 32s. 2d. 10 East Caradon, £5 8 9 25 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Roswall Hill, 39s. 26 East Seton, 24s. 9d. 25 Rosw

SERS. W. DUNN AND CO., STOCK AND SHAREDEALERS, 3 AND 4, GREAT WINCHESTER STREET BUILDINGS,
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FOR SALE, at prices affixed:
10 Aberdaunant, £1 38 6
10 Bedford Cons., £2 9
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10 Tan-yr-Allt, 25s.
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25 Taquaril Gold, 32s pm
25 Terras.
2 Tincroft, £49 5s,
40 Van Consols, £1 11s,
2 Wt. Chiverton, £49½,
1 West Frances, £29½,
10 West Maria, £1 7s, 6d
10 West Pant-y-Go, 15s 6
1 W. Wh. Seton, £10,
20 W. Tankeville, £3 is
10 Wheat Agar, £1 12s 6
10 Wh. Grenville, £3.

CALDBECK FELLS MINE,

I am a BUYUR of these SHARES at 15s. per share net.

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TO COLLIERY OWNERS, AND OTHERS.

COLLIERT VIEWER, of varied experience in the Coal Mining of England and Wales over a period of twenty years, WISHES AN ENGAGEMENT. Is particularly conversant with different methods of laying out Coal Workings and with Colliery Engineering. References as to ability given on request.

Address, "M. B.," MINING JOURNAL Office, 26, Fleet-street, London, E.C. January 17, 1871.

SECRETARYSHIP.

A FLOURISHING COLLIERY COMPANY is in WANT of a Gentleman as SECRETARY, and one who can INTRODUCE a SMALL APPLY, by letter, to F. G. Breacher and Co., 4, 5, and 6, Great St. Helen's, London.

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MINING ENGINEER, with large and varied practice in the West Riding of Yorkshire, WISHES for an ARTICLED PUPIL. A remlum required.

The fullest particulars will be given on application to "Mining Engineer,"

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WANTED, a PITMAN for a SHALLOW MINE; also, a WORKING ENGINEER AND FITTER, who will make themselves apply, with testimonials and references, to "Gordo," care of Thomas Goldsworthy, Esq., Egremont, Cheshire. TO CAPITALISTS.

WANTED, ONE or TWO PARTIES, with a capital of about £3000, to JOIN SOME OTHERS IN WORKING a FIRST-CLASS COL-LIERY now in operation, and producing about 5000 tons per week. None but principals or their solicitors will be treated with. Address, "T. O. L.," MINING JOURNAL Office, 26, Fleet-street, London.

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FOR SALE, for a moderate sum, subject to a royalty, ALL THE RIGHTS AND PRIVILERES of a PARTLY-DEVELOPED COPPER MINE In the WEST INDIES. Specimens can be seen.

Address, "Vendor," 20, Overstone Road, Hammersmith.

FOR SALE, TEN QUEEN MINE (Silver and Copper) SHARES atd two dividends in six months, while the latter has paid none.

Apply to "A. B.," 83, Alexandra-terrace, Newport, Isle of Wight.

FOR SALE, in consequence of the death of the late proprietor, a SILVER-LEAD and BLENDE MINE, in FIRST-RATE POSITION, situate on the RHINE, and from which for years past large profits have been realised. At present in full work, and provided with complete machinery and working staff.

Address, S. Gray, Mining and Civil Eugineer, Cologne, Prussia.

TO BE LET, ON LEASE, for a term of years, SEVERAL ACRES of LAND, suitable for MANUFACTURING PURPOSES, advantageously situated on the south bank of the River Tyne, about two miles below Newcastle-on-Tyne, and within a quarter of a mile from the North-Eastern Railway. There is a good quay frontage, with deep water.

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FOR SALE, a superior 40 in. CORNISH PUMPING ENGINE, with 10 ton BOILER, in excellent condition, equal to new, at the RIVER TAMAR MINE, by Chilaworthy, near Gunnislake, in the parish of Calstock, Cornwell.

Apply to Capt. James Richards, Devon Great Consols, Tavistock.

ROMAN GRAVELS MINING COMPANY

(LIMITED).

In 12,000 shares, £7 10s. each, fully paid.

THOMAS OLEMENT MUNDEY, Esq. Directors of the Van Mining ROBERT OLDREY, Esq. WILLIAM GREAV' & Esq. ROBERT WILSON, Esq. Directors of the Tankerville Company. SECRETARY-F. R. WILSON, Esq.

OFFICES,-20, ST. HELEN'S PLACE, E.C.

Mr GEORGE BELL, Deceased.

Mr GEORGE BELL, Deceased.

PURSUANT to the 29th Section of the Act of Parliament, made and bassed in the 27th and 23rd years of the reign of Her Majesty, Queen Victoria, chapter 35, intituled. An Act to Further Amend the Law of Property and to Relieve Trustees." Notice is hereby given, that ALL CREDITORS and OTHER PERSONS having any CLAIMS or DEMANDS UPON or AGAINST the ESTATE of GEORGE BELL, late of BOLTON-LE-MOORS, in the county of LANGASTER. Ironfounder, deceased (who died on the 26th day of November, 1870, at Harrow, in the county of Middlesex, and whose will was duly proved by JOHN SHARPLES, of Sharples, Flax Spinner, in the said county of Lancaster, Colliery Proprietor, the surviving executors of the said county of Lancaster, Colliery Proprietor, the surviving executors of the said will, in the Districk Registry of Her Majesty's Court of Probate, at Manchester, on the 28th day of December, 1870, are hereby REQUIRED TO SEND, in writing, the PARTICULARS OF THEIR CLAIMS OR DEMANDS to the undersigned, on or before the 1st day of April next; or in default thereof the said executors will, at the expiration of the said last-montioned day, be at liberty to distribute the assets of the said GEORGE BELL, deceased, or any part thereof, amongst the parties entitled thereto, having regard only to the debts and claims of which they shall then have had notice; and the said executors will not be liable for the assets, or any part thereof, so distributed to any person or persons of whose claim they shall not then have had notice.

HUTTON AND SON, 2, Bowkers-row, Bolton (Soliclors to the Executors).

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WHEAL PAR MINING COMPANY.—By direction of His Honor the Vice-Warden, notice is hereby given that on Tuesday, the 14th day of February next, at Eleven o'clock in the foreneon, at the Registra's Office at Truro, in the county of Cornwail, this Court will PROCEED to MAKE a CALL of SIX SHILLINGS PER SHARE on all the Contributories settled on the List of Contributories of the above-named company as present members thereof.

All persons interested therein are entitled to attend personally, or by solicitor or competent agent, at the time and place aforesaid, to offer objections to such eatl.

PREDERICK MARSHALL, Registrar.

Dated Registrar's Office, Truro, January 24, 1871.

TURTON, NEAR BOLTON, LANCASHIRE.

SALE OF THE WELL-KNOWN TURTON MOOR COLLIERY AND FIRE-BRICK WORKS, now in active operation, with all the EXTENSIVE EREC-TIONS, valuable PLANT and MACHINERY, TRAM-ROAD, &c., belonging thereto, including the LESSEE'S INTEREST in the COAL and FIRE-CLAY under about 400 acres of land.

Medera bout 400 acres of land.

MESSRS. W.M. LOMAX, LOMAX, SONS, AND MILLS
respectfully announce that they are instructed by the Trustees under
the will of the late Robert Heywood, Esq., to OFFER BY PUBLIC AUCTION,
on Wednesday, the 18th day of February, 1871, at Five for Six o'clock F.M. most
punctually, at the Three Crowns Inn, Deansgate, Bolton (if not in the meantime disposed of by private treaty), subject to such conditions as shall be then
produced, the LEASEHOLD ESTATE and INTEREST of the VENDORS of
and in all that COLLIERY and FIRE-BRICK WORKS, known as

produced, the LEASKHOLD ESTATE and INTEREST of the VENDORS of and in all that COLLIERY and FIRE-BRICK WORKS, known as

TURTON MOOR COLLIERY, known as

TURTON, I've miles from BOLTON, immediately adjoining the turnpike-road leading from Bolton to Over Darwen and Blackburn, with the machino
home, carr set, tranvoad, office, workshops, grinding and drying sheds, kins,
thinney, and other erections, and the whore of the mines or beds of coal and
fire-clay under 400 statute acres or therecond of the mines or beds of coal and
fire-clay under 400 statute acres or thereconders, and the whore a complete with the valuable STEAM ENGINES for whand, at Turton Moor; together with the valuable STEAM ENGINES for whand, at Turton Moor; together with the NOILER, SHAFT FITTINGS, TRAMWEY, and grant
ing purposes, with the BOILER, SHAFT FITTINGS, TRAMWEY, and FLANT in
and upon the premises, a schedule of which will be produced at the time of sale;
in depth, with roadways driven therefrom, and the mines have been proven
be of excellent quality, the produce commanding ready land sale in the district.
The colliery is held by lease, dated the 16th March, 1870, for the unexpired
residue of a term of twenty-eight years and three quarters, commencing on the
25th day of December, 1867, subject to the yearly footage rent of £50 per foot
per Laucashire acre of 7840 square yards for the coal, and to an acreage surface
ent of £20 per superficial Laucashire acre, irrespective of the thickness, for the
fire-clay, such footage and acreage rents to yield a minimum yearly rent of
£120 during the sald term, and to the covenants and conditions in the sald lease
contained.
A blan of the workings may be seen, and particulars with other information.

contained.

A plan of the workings may be seen, and particulars with other information may be had by applying to Mr. JOHN CROSS, Mining Agent, Cross-street, Manchester; or to Messrs. RUSHTON and ARMITSTEAD, Solicitors, Bolton, at whose offices a plan of the workings of the mines, and a copy of the lease, may be seen. Bolton, January 16th, 1871.

TO IRONMASTERS, AND MANUFACTURERS OF SUPERIOR PIG-IRON

ADAPTABLE FOR BESSEMER STEEL, &c.

FOR SALE, BY PRIVATE TREATY, a MINE of MAGNETIC IRON ORE, yielding from 60 to 65 per cent. of superior cast-iron in the blast-furnace. The property consists of 150,000 square metres, and is capable of producing very considerable quantities of ore. It is four kilometres distant from the coast. Freight to South Wales and North-Eastern ports would be about 12s. per ton. Address, "Box 5," Swansea.

PHOSPHATE OF LIME LANDS FOR SALE.

THE UNDERSIGNED OFFERS FOR SALE the MINERALS on Lot No. 19 in the Sixth Concession of the Township of BURGESS, mty of LANARK, CANADA, being one of the best of the Canadian Phos-te Lets.

thate Lats.

The first thousand tons can be laid down at Montreal at 25s, sterling per ton.

The asphalte will contain from 80 to 90 per cent. of phosphate of lime. Terms

2000 sterling, or a contract will be taken for the delivery of phosphate in

Montreal. Apply to—

ARTHUR J. MATHESON or JAMES H. BELL, Perth, Canada.

Perth, Canada, January 10, 1871.

THE VIRTUOUS LADY MINE is now working lodes (Tin and Copper) worth from EIGHTY to ONE HUNDRED POUNDS per fathom, No expense for steam; water-power inexhaustible. Speedy and immense profits are looked for.

A FEW SHARES FOR SALE.
Apply to Mr. A. SNOW, 83, Alexandra-terrace, Newport, Isle of Wight.

With this week's Journal a SUPPLEMENTAL SHEET is given, which

With this week's Journal a SUPPLEMENTAL SHEET is given, which contains: Original Correspondence—Birmingham and the Black Country, No, VI.; Collieries in Durham and Northumberland, their Workings and Machinery; Late Colliery Explosions (S. P. Bidder); Oil v. Gas, and Mr. Silber's Lamp; New Steamstamper (W. Synnock); Steatite; Dynamite; Mining in Novada and California; Use and Abuse of the Telegraph; Tin in Mundic (T. L. Phipson); Metals and their Ores (E. Gledhill); East Wheal Lovell, illustrated (H. Waddington); East Lovell, and Capt, Pascoe; East Carn Brea (H. Waddington); North Treskerby; Prince of Wales—Recent Improvements in Tin Dressing (J. H. Collins)—The Trensures of New Mexico—Foreign Mining and Metallurgy—Monthly Summary of Mining in Australia—Foreign Mines Reports—Patent Matters, &c.

LEAD ORES | Date | Mines | Toss | Price per ton | Purchasers |
Jan. 21—Wheal Trelawny	... 41	... £22 10 6 ... Stock and Co.
ditto	... 28	... 5 6 6 6 ... Sims Willyams, & Co.
23—Cwmystwith	... 25	... 11 1 6 ... Adam Eyton
24—Stiperstones	... 60	... 11 13 0 ... Burry Port Company,

BLACK TIN.

COPPER ORE.

Date. Minc. Tons. Price per ton. Purchasers.

Jan. 12-Caldbeck Fells. 514 £18 5 0 J. Bibby, Sons, & Co.

ditto 854 5 7 0 ditto

20-Great Laxey ... 100 3 6 0 Henry Baxter.

COPPER ORES.

NO SALE on Thursday last, Jan. 26.

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday next—Mines and Parcels.—West Tolgus 375—West Seton 305—East Grenville 275—Wheal Seton 268—Carn Brea 254—Crenver and Abraham 250—South Crofty 217—North Treakerby 188—East Pool 140—North Crofty 164—Wheal Basset 71—Kast Carn Brea 252—Clifford 43—Wheal Jewell 35—Levant 30—Pennance 24—Dolcoath 18—East Basset 12—Wheal Emily Henrietta 9.—Total, 2640 tons.

This day, with Nine Copper-plates and Forty-seven Wood Engravings, demy 8vo., cloth, price 10s. 6d., postage 9d.,

demy svo., cloth, price 10s. 6d., postage 9d.,

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By E. WYNDHAM TARN, M.A. Architect.

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(London: Longmans and Co., Paternoster-row.)

WESTWARD BY RAIL: From New York to San Francisco.—

By W. F. RAE.

"The increasing interest fel: in this country in all that relates to the Pacific States, in consequence of the large amount of British capital invested in the Mines, will doubtless cause Mr. W. F. Rae's 'Westward by Rail' to be read by a very large number of Englishmen; and as it is as amusing as it is replete with information, no one will regret an acquaintance with it. An entire chapter is devoted to the description of the State of Nevada and its silver treasures, and in this connection Mr. Rae affords a useful hint to intending investors. His book should be carefully studied by all classes of readers, both in England and America."—Mining Journal.

Notices to Connespondents.

• Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be filed on receipt: it then forms an accumulating useful work of reference.

BOSCEAN.—Can any reader inform me if this mine is still working; when a meeting of the shareholders was last held; and what is the financial position of the company?—Sudscenter: Manchester.

Mining Journal of Jan. 29, 1870.—Any subscriber having more than one copy of this date will much oblige by sending his extra copy to our office, when the full price will be returned for it.

Mining Literature—"T. L." (Kirkoswald, Penrith).—We do not think there is any one book that would contain all the information you a-k for. In the first place, you want a full description of the different ores and their contents; this would be obtainable from Phillips's Betailurgy (2 or 3 vols., translated by Crookes and Rohrig, price about \$1.5s..); Kerl's Metallurgy (2 or 3 vols., translated by Crookes and Rohrig, price about \$1.5s..); Kerl's Metallurgy (2 or 3 vols., translated by Crookes and Rohrig, price about \$1.5s..); Kerl's Metallurgy (2 or 3 vols., translated by Crookes and Rohrig, price about \$1.5s..); Kerl's Metallurgy (2 or 3 vols., translated by Crookes's edition of Mitchell's Assaying (1 vol., about 11.1s.) Noxd's Chemical Analysis (an excellent little book, about 15s.); several translations of Fresenius, Bolley and Paul's, and a host of others, which would be useful in all brary. Any analytical chemist would be capable of assaying a sample of gold; there are pienty of them at Newcastle-on-Tyne—Marreco, Neville Hall; John Pattlinson and R. S. Thorpe, Side; and Richardson and Browell, Westyment and Forentee.

Westgate-street.

West Maria and Fortescue Mines.—We cannot publish any further letters on the matters in dispute while the legal proceedings are pending. Doubtless a meeting of the company will be shortly convened, when every requisite enquiry can be made by the shareholders.

Harlech United (Merlonethshire).—In consequence of the delay of the engraver, the illustrative diagrams of these mines cannot appear this week, but will be inserted in our next Journal.

Scale for Advertisements is—for six lines and under, 4s; per line afterwards, 8d. Average, 12 words per line.

SHARE DEALING.—We never interfere in the sale or purchase of shares; neither do we recommend any particular mine for investment or speculation, or broker through whom business should be transacted. The addresses of most of the latter appear in our advertising columns.

THE MINING JOURNAL

Bailway and Commercial Gazette.

LONDON, JANUARY 28, 1871.

WATER BREAKING INTO COLLIERIES.

"We staggered forward, and presently I fett Regan was being pulled forcibly so I held on with all my might, and in an instant we were dragged clear of the great body of water, and I stood with my companion amids the workmen who had rescued us, and who, with tears streaming down their cheeks, seemed over come with the joy they felt at seeing us standing there alive and well."

Thus spoke one of the two colliers rescued bravely on Sunday from the Wheatley Hill Colliery, after having been down some 54 hours, struggling most of that time with water and foul air. The accident by which his life was imperilled, and by which the lives of five companions were taken, happened on Thursday last. The colliery is described as standing on the hills to the north-east of Thornley, from which place it is distant about a mile and a half, and it has been in operation for about six months, the Five-quarter seam and the Main coal, the latter 129 fms. deep at this place, being alone as yet reached. It belongs to the original Hartlepool Colliery Company (Limited), and Mr. James Burx, late of Rainton, is the viewer. It seems that on the east side of the Thornley Colliery, also owned by the Hartlepool Company, extending over several acres, are some old workings that have for a long time past formed a receptacle for water drawn out of certain portions of the workings. When the Wheatley Colliery was started the design was to carry this water away by running it down to the Wheatley Hill Colliery No. 1 shaft, a distance of about 800 yards. This shaft is stated to be about 7 fms. lower than the Thornley workings. To convey the water down to the shaft a drift was run from the Thornley Colliery Hill workings, with a fall of 1 in. to the foot. To get out the water thus brought down a pump, lifting 80 gallons per stroke, and capable of working 10 strokes per minute, was erected. The contiguity of the water to the drift in the Thornley Colliery was indicated by holes in the face of the coal, about 3 feet. A hewer was at work at this place at about mid-day on Thursday, when the water bove the roye. Thus spoke one of the two colliers rescued bravely on Sunday from A hewer was at work at this place at about mid-day on Thursday,

when the water broke through.

What afterwards happened is told elsewhere. That there were no more than five men sacrificed must be a source of much satisfaction to everyone, especially those having the responsibility of the opera-tions. The two men who were got out owe their lives to the intimate knowledge which one of them possessed of the workings, and the road knowledge which one of them possessed of the workings, and the road to the higher level, from which the water broke in, as well as to their power of physical endurance. Two companions who shared their vicissitude being less strong succumbed, and died by their side only a few hours before these were relieved.

How much this accident resembles those which have gone before

it. First comes up the historic inundation at the Nine Locks Pit, belonging to the Earl of DUDLEY, in March, 1869. The inquest in the Wheatley Hill case has not yet concluded, and we have no more remarks to make upon that accident here; but in the face of that enquiry it may be well to give, which we do, what the Government Inspector for South Staffordshire wrote of the Nine Locks inunda-

Inspector for country report:—
tion, in his annual report:—
"When the state of the mine admitted of my examination, the cause of
"When the state of the mine admitted of my examination, the cause of
"When the state of the mine admitted of my examination, the cause of

tion of the coal seam from the bottom of the pit shaft, and to which the safety of the entombed men was solely due. Had the coal seam been level, or nearly so, the water would have, no doubt, prevailed throughout these workings to a depth of about 6 or 7 feet, and every living thing must have inevitably perished. Evidence was given at the inquest held on the body of ASIBAN, to the effect that the dam in question had been constructed for the purpose of keeping water back in the 'trough pits' of this colliery, to extinguish an underground fire, and that the water which had previously accumulated had been gradually drawn off through the 'tap' in the dam. However, whether this was so or not, an overwhelming flood of water did evidently accumulated somewhere behind the dam, which at length rushed into the pit in question, and for several days placed the life of every person therein 'in the most inminent peril.' Evidence was also given that the dam was a proper thing to put in this water-level. Opinions were also offered that the cause of its failure under pressure was due to the friable character of the foundation, and that it was also rendered less secure by blasting, in which opinions I fully concur. But, as to the dam itself, I may say that in the whole course of 35 years' experience in mining, and in some collieries where there has been more than three times the quantity of water to contend with, I never knew a dam of any importance constructed in a main water-level, for it may in truth be stated that what the arteries are to the human body so are the water-levels and alr-courses to a healthy and properly conducted colliery. The construction of a permanent dam in a water-level is at any time, and especially in this instance, considering the circumstances and relative positions of the respective pit shafts and workings at and in connection with the Nine Locks Pit, an unwise step. Moreover, accumulations of water have, in several instances, brought about in certain parts of the country accidents of the most distre

ally in the crop of a mine, whilst it is still being worken in the app, and when the only means of largers and ealso in the dip thereof, is, whilst the men are in the mine, in my opinion, most improper, and too dangerous to be thought of.

The Tyne district is not strange to inundations. On May 3, 1815, 41 men and 34 boys lost their lives by water breaking into the Heaton Colliery there. This colliery was a very deep one, and the working pit was (the same as the Nine Locks pit is situated) in the extreme deep of the mines without any means of escape for the miners, and in the crop or rise of the Heaton pit was a considerable area of old workings, dating about 1714, filled with water. No plans or records of these old workings had been kept, so that the manager was to some extent in the dark as to their whereabouts. At half-past four o'clock on Wednesday morning, May 3, 1815, the new workings had reached a fault which let in the whole of the water from the crop, and filled the pit shaft for 38 yards with water, thereby cutting off all hope of escape for 75 poor miners who were in the pit, and who had got into the rise working for safety. Three very large pumpingengines were set to work to get out the water, and collectively discharged 1200 gathous per minute. This pumping was continued the following day, and ea iy on Friday morning, being the third day, 66 yards of water was in the pit bottom, the water having risen 28 yards in two days. It was not until Jan. 6 (nine months after the accident) that the first corpse was brought to bank; of course, in a great state of decay. The first remains were those of a miner between 70 and 80 years of age, who was identified by his neckerchief. Of his pocket-knife little was left, except the bone handle, the blades having rusted away. His watch was nearly destroyed from the same cause. The articles of linen worn by the deceased were quite fresh and uninjured, but the woollen fabrics were entirely destroyed. In a short time after the whole of the remains of the victims were re

inquest at the Wheatley Colliery is over.

COLLIERY GASES, AND COLLIERY VENTILATION.

The professional ability of the gentlemen from time to time appointed by the Home Secretary to fill the very important office of Government Inspector of Coal Mines in the several districts have always been ample to secure them the confidence of both coal owners and colliers, and the names of Mackworth, Dunn, Dickinson, Atkinson, and Brough are known far beyond the districts they are (or have been, for only two of them remain amongst us) entrusted with through the earnest efforts they have made to facilitate the acquisition of a knowledge of the higher scientific principles of colliery engineering by all connected with collieries. Mr. Atkinson was ever a prolific writer upon colliery ventilation, and matters referring to it, and his treatise on "The Gases met with in Coal Mines, and the General Principles of Ventilation," which was communicated as a paper to the Manchester Geological Society, is as valuable to practical men as any that has been written, and the reprinting of it in pamphlet form is certainly a matter for congratulation. As the object of the author was to give the merely practical miner a general knowledge of the laws and principles of ventilation, and of the nature and properties of the atmosphere, and of the gases most frequently encountered in coal mines, the treatise is necessarily of a popular character, and whenever tables and formula are introduced particular care is taken to explain them in such language that the misunderstanding of them is impossible—underviewers, overmen, dequities, and workmen may alike profit by the study of the details. The professional ability of the gentlemen from time to time apmisunderstanding of them is impossible—underviewers, overmen, deputies, and workmen may alike profit by the study of the details given, and fit themselves for fulfilling either of those offices with credit and honour.

credit and honour.

The description given of the nature and effects of a colliery explosion, although brief, is particularly vivid. Some of the gases given off in coal mines when mixed with certain proportions of air form violently explosive mixtures. Such a mixture of air and gas on being ignited by a naked light suddenly explodes, and becomes one mass of living flame, scorching and burning everything that may happen to be in contact with it. Such an explosion in general also creates a complete hurricane or tornado of immense force and violence tearing and divising all before its heady in down the mesony. creates a complete hurricane or tornado of immense force and violence, tearing and driving all before it—knocking down the masonry erected for the guidance of the ventilation, as well as the props and timber erected to support the roof of the mine, which falls in great masses, causing bodily injury or death to those it may fall upon, and often enclosing and imprisoning those who being unhurt by its fall are left stunned by the concussion, more or less scorched by the flames, and without lights shut up to breathe the deleterious atmosphere produced by the explosion. The flames of such an explosion being extinguished, and its violence exhausted, there remains an atmosphere so hot, and so charged with noxious gases and steam, as to cause the death of all who are left alive to inhale or breathe it. This resulting atmosphere is generally termed after-damp. The grand object of the ventilation of mines is to cause such a current of air constantly to circulate through them as shall, by mixing with and dilutting the gases, render them harmless, and in that state carry them off as quickly as they are produced in the mines. To permit them off as quickly as they are produced in the mines. To permit of the subject being thoroughly understood by the class for whom the book is intended great care is taken so explain the chemical com-position of atmospheric air, and the nature and properties of nitroen, oxygen, carbonic acid, carburetted hydrogen, carbonic sulphuretted hydrogen, and the natural laws and principles affecting the ventilation of mines.

The chapter on the friction of air in mines is a very valuable one,

and cannot be too carefully studied by those connected with collieries. The pressure required to overcome the friction of air increases and decreases in exactly the same proportion as the area or extent of the rubbing surface. The rubbing surface, of course, depends upon the circumference or perimeter of the airway, and upon its length. A circular pipe or airway offers less rubbing surface for the same length than any other form or shape of airway of equal sectional area, ecause the circumference of a circle is less in proportion to its area than the perimeter of any other figure is to its area. With regard to the shape and size of airways, he explains that in an airway 5 ft, square the perimeter of the section is $4 \times 5 = 20$ ft., and if it be 1000 long the rubbing surface is $20 \times 1000 = 20,000$ square feet. In an air long the rubbing surface is $20 \times 1000 = 20,000$ square feet. In an airway 10 ft. square the perimeter of the section is $4 \times 10 = 40$ ft., and if it were $1000 \log$ the rubbing surface would be $40 \times 1000 = 40,000$ ft.; so that on comparing the two cases it will be apparent that four times the area there is only twice the extent of rubbing surface. If such an airway as that last mentioned were divided into four equal sized square airways, the rubbing surface exposed to the moving air would be exactly doubled by the division, and there would be 20 ft. of perimeter for each of the form singapers 20 ft. on the order of the form 20 ft.

one large airway, although the united areas of the smaller airways would be exactly equal to that of the single large one. From this fact we learn that one large airway is preferable to a number of smaller ones, even if they together make up the same sectional area or size. In practice it often happens, however, that a number of small airways can be made and maintained at less cost than one large airway presenting an equal sectional area, and in such case a few small airways can be made and maintained at less cost than one large airway presenting an equal sectional area, and in such cases a few extra airways of small area may more than compensate in utility and make up in cost for the absence of one extra-sized airway; and hence the futility of insisting upon the sectional area of airways in mines being of any particular amount, without specifying their number, beyond requiring that one at least in each split be large enough to admit of persons travelling in it. The same principle may be illustrated by taking two airways of equal size or sectional area, but having different forms or shapes of sections, and he shows that in an airway 10 ft, high and 10 ft, wide=100 ft, sectional area, the rubbing surface is only 40 ft, whilst in another of the same sectional area, but being 20 ft, wide and 5 ft, high, the rubbing surface is 50 ft.

Throughout the book the probable educational attainments of those for whom it is intended have been well considered; thus, although

for whom it is intended have been well considered; thus, although the various formulæ has been in all cases given, care has been taken to accompany each by a statement in words which cannot fail to be intelligible to all. The book is entitled to extensive circulation for its intrinsic worth, and still more so when the object of its publication—that of benefiting the family of the author—is taken into consideration.

EFFECT OF COLD ON IRON AND STEEL.—A series of interesting papers have been read before the Manchester Literary and Philosophical Society, be ring upon the question of the effect of intense cold upon the strength of iron and steel, and the results show that phical Society, be ring upon the question of the effect of intense cold upon the strength of iron and steel, and the results show that the cold has no appreciable effect, and that it certainly does not diminish the strength of the iron. Mr. W. BROCKBANK collated the results of experiments made by various persons, and gives one curious statement. Similar frozen bars were tested whilst still frozen, and after having been thawed, and allowed to cool to the ordinary temperature. The frozen bars were more crystalline, and showed no sign of fibre, whilst those thawed show a good amount of fibre, and were slightly crystalline in the fracture. This is most remarkable, since the thawing would thus seem to restore the fibre, which had been destroyed by the frost as most improbable. Sir WILLIAM FAIR-BAIRN, Bart., in a paper he contributed, in consequence of the discussion at the previous meeting, states that the danger from broken tyres does not, in his opinion, arise so much from changes of temperature as from the practice of heating them to a dull red heat, and shrinking them on to the rim of the wheels. Most, if not the whole, of railway tyres, excepting those of engines and tenders, are not turned, but selected by hand, heated and shrunk on the wheels with every degree of tension, as suits the convenience of the workman. Dr. JOULE has made a series of experiments upon the subject, which result in the general conclusion thal frost does not make either iron (cast or wrought) or steel brittle, and that accidents arise from the neglect of the companies to submit wheels, axles, and other parts of their rolling-stock to a practical and sufficient test before using them. The experiments by Mr. P. Sperce, which form the subject of another paper, showed that reduction of temperature, other things being equal, increases the strength of cast-iron. equal, increases the strength of cast-iron

CHEAP COAL FOR IRELAND AND THE WESTERN HIGHLANDS.—An effort is about to be made to develope a valuable mineral property, comprising about 4300 acres of coal and blackband iron in a good locality, by the inauguration of a public company, with a capital of 50,000l. There will shortly be good railway communication to a shipping port 10 or 12 miles distant, and an excellent and profitable business could then be opened up with the northern and western Highlands and with Ireland both for coal and iron. The property includes three distinct estates, but they all join each other, and will be worked together, and two new branch railways, which will pass through them, will be opened for traffic during the current year. Bore-holes have been put down in two of the estates, and good gas and coking coal has been proved to exist there in three fine seams. There is also a seam of oil shale 4½ ft. thick, yielding 28 gallons to the ton. The seams of coal are from 4½ feet to 8 feet thick, and fire and pottery-clay is found in good paying quantities. On one of the estates, 1200 to 1300 acres in extent, the lowest seam is not more than 40 fms. from surface, and a shaft has been sunk to the blackband iron, which was worked to a small extent even when there were no facilities for getting it to market except cartage. This shaft is now full of water, but could readily be unwatered and utilised. The black-band averages about 22 inches thick, and exists beneath all three estates. The lease has been offered at a merely nominal price, all that the proprietors require being that the necessary capital shall be provided for opening out and working the property. CHEAP COAL FOR IRELAND AND THE WESTERN HIGHLANDS .-

THE EXPORT COAL TRADE.—The exports of coal from the United Kingdom in the first eleven months of 1870 amounted to 10,576,880 tons; for the whole year they probably barely attained an aggregate of 11,500,000 tons. This total would, however, present a considerable increase over the aggregate exports of 1869, which amounted to 10,595,994 tons. The foreign demand for British coal would appear to be greatly increasing, having amounted in 1855 to 4,976,902 tons, in 1860 to 7,321,832 tons, in 1865 to 9,170,477 tons, and in 1870 to about 11,500,000 tons. At this rate the consumption of British coal abroad has thus considerably more than doubled during the last 15 years. The value of the coal exported has grown in a corresponding ratio, having been 2,446,3417. in 1855, 3,316,2817. in 1860,4427,1777. in 1865, and, as nearly as can be estimated, 5,500,000% in 1870. It may not, perhaps, be generally known that in ordinary times Great Britain now exports about as much coal as France produces.

THE AUSTRIAN COAL TRADE. - A valuable chromo-lithographed THE AUSTRIAN COAL TRADE.—A valuable chromo-lithographed chart, showing the distribution of the Bohemian brown coal, whether by railway or water-earriage, has just been issued (through Mr. C. H. HUNGER, of Prague), by Mr. JOHANN PECHAR, the managing director of the Dux-Bod abacher Railway. No pains seem to have been spared in the preparation of the chart, and from it a large amount of information of great importance to those concerned in the German coal trade can be seen at a glance.

GREAT YIELD OF THE AMERICAN COAL FIELDS.—A return issued of the yield of the Pennsylvanian coal fields is interesting, as showing the great coal resources of America. It appears that, despite the periodical strikes which affect the production of portions of the great American coal fields, the total quantity mined annually shows an increased transportation to the markets. By the official reports of the leading railroads and canals of Panaylyania it appears that the leading railroads and canals of Pennsylvania it appears that the total amount of anthracite coal carried by them in 1870 was 16,899,505 tons. Of this quantity the Philadelphia and Reading Railroad and its many branches carried 4,694,604 tons from the Schuylkill coal region; one-twentieth of this product was shipped to westward consumers, and nearly 125,000 tons were used on lateral roads. The region; one-twentieth of this product was snipped to westward consumers, and nearly 125,000 tons were used on lateral roads. The Lehigh Valley railroads shipped 3,660,551 tons; two-thirds of which came from the Huzleton, and one-fifth from the Beaver Meadow collieries. The Delaware, Lackawannack, and Western Railroads carried to the North 669,843 tons, and to the South 1,678,258 tons, amounting to 2,348,101 tons, an increase of 784,113 tons over 1869. The Lehight Coal and Navigation Company transported by railroad The Lehigh Coal and Navigation Company transported by railroad and canal 2,143,134 tons, showing also an increase of 546,407 tons, over the previous year. This company obtained from the Wyoming coal region 1,247,889 tons; from the Hazleton Collieries, 312,324 tons, and from the Mauch Chunk Collieries 269,036 tons. Almost the previous of the contribution of the con tons, and from the Mauch Chunk Collieries 269,036 tons. Almost the entire of the quantities just named was forwarded east of the Mauch Chunk region, two-thirds being sent by railroad. The Delaware and Hudson Canal Company forwarded 2,334,673 tons, which exhibits an increase of \$33,060 tons. The Summit Branch Railway Company shipped 4,490,101 tons, besides 77,410 tons by canal from Millersberg. From the Shewakin region there were shipped 489,314 tons, the Lackawannack and Bloomerby Railroad Company carried 275,720 tons, and the Northern Central 213,615 tons. In addition to the above enormous quantities. 487,184 tons of hituminous coal were ecep, in the foundation of a dum, which had been constructed in one of the main water-levels, through which the water rushed, and rose to a maximum height of 4s ft. showe the main pipe in the dam, which, however, was fortunately kept from flowing far into the interior of the mine, owing to the high rate of inclination of the four airways, or 80 ft. on the whole; so that for a length of 1000 ft, the rubbing surface of the four small airways would be 80,000 square feet, or exactly twice as great as that for the coal by the Huntingdon and Brood Top Mountain Railroad, These

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last two amounts show that the total quantity of coal raised and interest, and we hope to be able shortly to state from personal ob-shipped from the Pennsylvania coal mines during the year 1870 servation the result of its working. amounted to 17,690,611 tons.

NEW ROAD MATERIAL.

It has often been remarked that of all streets London streets are the dirtiest in wet weather, the dustiest in dry; and for nine months out of the twelve not only positively dangerous to travel upon, but damage our horses, carriages, and even our temper to an alarming extent. Who has not seen frequently horses thrown down, and almost cut to pieces, from the looseness of the material of which our roads are made?

It is well known that hitherto the relevant of the material of which our

It is well known that hitherto the principal material used in It is well known that hitherto the principal material used in making and repairing is the broken granite from the quarrie of Guernsey or those of Leicestershire, and the very nature of it is quite sufficient to account for our discomfort. For building purposes, perhaps, granite is the most lasting, under a condition of rest; but when placed on roads, and subjected to the crushing and grinding operation of wagon-wheels, it quickly becomes reduced to powder, and having no cementing properties is in dry weather blown into our houses, or converted into mud in wet, bespattering our persons, if we are unlucky enough to be obliged to walk. It is not our present intention to remark upon the asphalte which has been laid down in one or two of our principal thoroughfares, as its first cost will deter most of our vestries from adopting it, and time alone can show its value. But in the meantime attention may be called to the fact that we possess, to an almost boundless extent, a material in every

value. But in the meantime attention may be called to the fact that we possess, to an almost boundless extent, a material in every degree superior to granite. This is the Ironstone slag, and for the benefit of our readers not connected with the iron trade, we may slightly digress to explain what this is.

In the production of pig-iron from the raw material there is a large amount of dross, which flows from the surface of the molten metal in the furnace, and is received in what are called "slag boxes;" these when filled are drawn away and emptied to waste, and this material when cold assumes a pale French grey colour, and is what we now designate "Ironstone slag," From an analysis now before us there can be no doubt of its cementing properties—its greatest value; and the fact that in Belgium and France it has been moulded into an almost endless variety of forms, both for building and roadvalue; and the fact that in Belgium and France it has been moulded into an almost endless variety of forms, both for building and road-making, should be sufficient to convince us of its utility. For the formation of a road it should be broken into paving blocks, about 6-in, cube, and packed loosely together, covered with the same broken to a 2-in, guage about 4 in, deep, or 10 in, together; afterwards to be well watered, and rolled together to crush the whole, thus forming a road which for cleanliness and comfort cannot be surpassed. For simply repairing an existing road it is sufficient if laid on 2 in, thick.

We believe an effort has been made to introduce this material into London and that two years ago the upper parties of Parketing of the control of the c

London, and that two years ago the upper portion of Park-street, Grosvenor-square, was coated with it, 2 inches thick, simultaneously with the coating of the adjoining portion with Guernsey granite, and the satisfaction it has given is such as to induce the vestry of St. the satisfaction it has given is such as to induce the vestry of St. George, Hanover-square, to extend its use; and we understand that at the last meeting of the vestry of St. Pancras it was decided to use it for the repair of the roads in that parish, and accordingly accepted the tender of Mr. COULTHARD, C.E., of Duke-street, Westminster, for the supply. Since its introduction, in 1868, Mr. COULTHARD has devoted much attention to it, and we shall be greatly indebted to him if he succeeds in giving us a road that we can with anything like comfort travel upon.

COAL-CUITING MACHINERY

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COAL-CUTTING MACHINERY.

The many efforts made during the last 12 or 14 years to introduce into the Yorkshire and other mining districts machinery for the economical and safe working of oarl have either been complete failures, or have met with very little success. This to some small extent may have been caused by the machinery not appearing satisfactory to coalowners, as well as from their fear of introducing any new mode of working that might turn out a failure, and so give their men what they would look upon as a victory, and one they would not be slow in showing or turning to their advantage. There is, however, at the present time every appearance of a most decided change, and at no previous period have coalowners shown such a disposition to have tested the most recent mechanical appliances and machinery adapted for the getting of coal, with the view of adopting them, or have the prospects of inventors appeared more promising. As compressed air is admitted to be the best motive-power for machinery working in mines considerable improvements have been lately made in that direction, more especially by Messrs. S. Firth and F. Hard, in the application of a differential lever to machinery for compressing air. At the present time either four or five of the pick-machines, with the latest improvements brought out by the inventors, Messrs. W. and S. Firth, of Leeds, are being made for the pits belonging to the West Adsley Coal and Iron Company one of which be here were the company one of which be the prospects.

the latest improvements brought out by the inventors, Messrs. W. and S. Firth, of Leeds, are being made for the pits belonging to the West Ardsley Coal and Iron Company, one of which has been most successfully worked for the last three years at Tingley Colliery. The pick, about 75 lbs. weight, with about 74 blows per minute, undercuts to a depth of about 3 ft. 9 in., doing about 20 yards in an hour.

Messrs, Hurd and Firth's machine, which has for some time been worked at the Wharncliffe Colliery, near Sheffield, and with most satisfactory results, has been introduced into Lancashire, and the patentees have orders for several of them at present on hand. The machine has undergone some material improvement since first introduced by Mr. Hurd, the original inventor, and whose success has been of a marked character. One of the principal changes or improvements consists in the connecting a series of cutters to an endless wire-rope, instead of to the links of a chain, as in the first instance, and in driving the rope by a friction-pulley, with wedged-shaped segments fitting between discs, and on a central circular wedge. The demand for those machines, with the improved air-compressing machinery by the content of the principal chapter.

and in driving the rope by a moderal circular wedge. The segments fitting between discs, and on a contral circular wedge. The demand for those machines, with the improved air-compressing machinery, by the same patentees, is increasing, and they are being adopted in different districts throughout the country.

On visiting the Wharncliffe Colliery, on Wednesday, we found Mr. Hurd's machine at work, going along steadily, and cutting at the rate of about 15 yards an hour. Nothing could be more satisfactory than the manner in which the machine traversed over the face of the coal, and Mr. Platts, the underviewer, spoke in the most unqualified terms of its great success.

than the manner in which the machine traversed over the face of the coal, and Mr. Platts, the underviewer, spoke in the most unqualified terms of its great success.

Of the machines which are likely to be tested shortly may be mentioned that of Mr. C. Bartholomew, one of the partners in the Wombwell Main Colliery, and which is intended to act as a saw in getting the coal. From Mr. Bartholomew's reputation as an engineer, there is every reason to believe that the machine will be a good one, and we hope to be present at one of its trials. Mr. Donisthorpe, of Leeds, has recently perfected his patent for a coal-cutting machine, and he is sanguine it will be a great success. Mr. Donisthorpe is one of the oldest patentees in connection with coal-cutting machinery. One of his machines was worked at Pope and Pearson's colliery, near Normanton, and with very satisfactory results.

A new machine is this week being put down at the Hasland Colliery, of Mr. G. Senior, situate a short distance from Chesterfield. Mr. Senior has recently cleared two pits which were abandoned a few years since from an eruption of water, and having been so far successful he is determined to try machinery in the getting of the coal. The machine, which is patented by Mr. Gillott and Mr. Copley, has been manufactured under the superintendence of the former, at the establishment of Mr. Barrnaclough, of Barnsley. The invention consists of a horizontal revolving wheel, or disc, with a series of cutters mounted on the periphery, the cutters being made to cut outwards, or from the bottom of the groove or undercut to the face of the working, whilst the body of the machine takes its bearing against the face in order to resist the strain of the cut. The whole is mounted on a suitable carriage, made sufficiently low to admit of the cutters getting well down to the bottom of the grae for the purpose of "holing-in" at the bottom, if necessary. The cutter-wheel is rotated slowly but forcibly by the aid of the spur, bevel, and worm-feeling and the found all tha

servation the result of its working.

The above facts will show that great progress has been made of late, and is now being made, in the production of machinery in every way adapted to getting coal more economically and with more safety way adapted to getting coal more economically and with more safety than by hand. Amongst the other advantages of machinery worked by compressed air is that of improved ventilation at the working faces, as the exhaust air gives a constant supply of fresh air, the coldness of which reduces the temperature. Another very important item, which ought not to be overlooked, is the great saving in the waste made by the machine in cutting when compared with that produced in holing by hand. It has been computed that in the finest seams of coal the waste made in working by hand is fully 12 per cent, and note of which is worth little or nothing, so that the taking the and most of which is worth little or nothing, so that the taking the quantity of coal produced in 1889 at 107 millions of tons, the waste would be more than 14 millions of tons. On the other hand, the waste made by the machines at Ardsley and other places have been estimated at about 4 per cent.,—a saving of such vast importance in favour of the machine that renders comment unnecessary.

IMPROVED SAFETY-LAMP.

IMPROVED SAFETY-LAMP.

A miners' safety-lamp, possessing several novel features, and designed for the burning of parafin oil, has just been invented by Mr. WILLIAM SIMPSON, of Battersea; and from the report made upon it after practically testing it in a mine, it is probable that with some trifting modifications in detail, it will thoroughly answer the purposes for which it is intended. The oil-chamber is of annular form, the passage through the centre being carefully covered at the bottom with wire-gauze. A bridge across the upper end of the opening connects the oil-vessel with an ordinary flat-wick parafin burner, provided, however, with an automatic extinguisher, to prevent the exposure of the flame by the opening of two small plates, which, whilst acted upon by the spring provided for that purpose, cover the wick and wick-tube; but whilst the lamp is in use this spring is held bank by a catch in such a manner as to be at once released upon any attempt being made to unscrew the lamp top. The vastly superior light and greatly increased economy of parafin oil, as compared with candles, is so well known that it need not be referred to; and if Mr. Simpson can succeed in introducing his lamp into collieres, colliers will have no excuse for opening their lamps to increase their light. The new lamp, as at present constructed, is 18 in. high and 4½ in. diameter, and is provided with a tripod 2 ft. high, in which the lamp is suspended, in order to prevent the possibility of it assuming anything but a vertical position when stood upon the floor of the mine; future specimens, however, will be made 4 inches shorter, so as to approach more nearly the size of the lamps at present in use. The price of the lamp and tripod complete will not exceed 8s. 6d., which is rather under than above the price of a good Stephenson, so that expense will be no bar to its adoption.

The lamp has been thoroughly tested by Mr. J. Morton, mining manager to Young's Parafin Light Company, Glasgow, and his report upon it is decidedly favourable,

lamp at present extant.

Of the great illuminating power of Mr. Simpson's lamp there can be no question; and as he appears to have already succeeded in re moving the defects, without lessening its advantages, it may be anticipated that more will soon be heard of it.

NEW TUNNELLING-MACHINE.

Shall the mining and engineering world ever be so blest, beyond Shall the mining and engineering world ever be so diest, beyond what it now deems possible, as to come into actual, tangible, useable possession of a veritable tunnelling-machine? We do not mean a mechanical drill of any design or principle, but a machine which shall fairly grapple with and overcome the difficulties of the questions are actually actually actually the attenuate of the company are in the attenuate of the company and the company are in the attenuate of the company are in the company and the company are in the company at the compa meenanical drill of any design or principle, but a machine which shall fairly grapple with and overcome the difficulties of the question, and work its way in the strength of its own arm into any and every kind of rock at a pace many times what is possible to hand labour and powder, or has hitherto been attained by mechanical drilling and powder. We had almost despaired, but our hopes revive as we record what took place last Tuesday at a chalk quarry near Maidstone, in the presence of the Duke of Sutherland, Capt. Tyler, and Messrs. C. W. Eborall, E. A. Bernays, Arthur Dean, W. W. Fisher, and other scientific and practical men. They were gathered together to witness the operation of J. D. Brunton's Tunnelling-Machine. One of the reasons for setting it to work in this place was that its applicability for driving the proposed Channel Tunnel might be fully tested and finally established.

The investigations made by Mr. Hawkshaw, M. Thomé de Gamond, and others, warrant the belief that the course of a submarine tunnel as marked out by them would pass entirely through the grey chalk, and therefore was this grey chalk quarry selected, and its use kindly granted by the proprietor, Mr. W. Lee.

Without the help of an engraving it would be difficult to convey to the reader, who is as yet unacquainted with the machine, any correct idea of its principle and mode of action. All its motions are circular and continuous, and herein lies the secret of its perfection and success. There is no jar, or jolt, or concussion, but smooth revolutions in combination with one another. The massive central revolutions in combination with one another. The massive central revolutions in combination with one another.

and success. There is no jar, or jolt, or concussion, but smooth revolutions in combination with one another. The massive central revolving screw, the quickly revolving cutter bearers, the cutters them selves, all revolving. The action may be described as an incessant splitting away of chips, about 1 inch thick, from the face of the end, the edge of the cutters describing a circular path from the circumference to the centre of the tunnel, and the actual result is a cata reference to the centre of the tunner, and the actual result is a cataract of chips delivered by the machine at the rear, at a height sufficient to fall into wagons placed to receive them. Thus there is no hand-labour in the whole operation, and the progress is wonderful. Nearly 4 ft. in the hour was attained on the day named, and as by a slight modification of the machine 2-in. chips might be cut instead of 1-in., 8 ft. an hour might be calculated on; indeed, in the opinion of those who witnessed the operation, 3 yards an hour was considered quite a practicable rate of progress in the prospection of the Tunnel. quite a practicable rate of progress in the prosecution of the Tunnel under the Channel.

The structure of the machine is such that there is plenty of room The structure of the machine is such that there is plenty of room in the tunnel (which is 7 ft. diameter) to stand by its side, or to sit above its central screw, within a distance of about 3 feet from the face, from whence the working is clearly visible. The Duke was so placed for a considerable time, and made himself perfectly acquainted with the working of the machine. The opinion expressed by all present was that the machine was an unquestionable success for chalk, and any of the softer kinds of rock.

For colliery owners this will be good news; but we should like to see the machine in the hard rocks of our lead, tiz, and copper mines, where it is much needed. Mr. Brunton tells us that this also he hopes before long to accomplish—that there is but one obstacle rat to

before long to accomplish-that there is but on

overcome before reaching so desirable a result, and that it is in a fair way even now of being surmounted. We can only say that if Mr. Brunton achieves over the harder rocks a triumph as great as he has over the softer, the whole future of mining enterprise will be changed—immeasurably for the better.

EXPERIMENTS ON STEEL.

For some time past a committee of civil engineers has been engaged in testing the resistance of steel produced by several of the principal manufacturers to tension, compression, transverse strain, and torsion (the necessary experiments having been made by Mr. DAVID KIRK-ALDY under the instructions of this committee), and the results have now been published. Both funds and material were willingly placed at the disposal of the committee, and every care was taken that the samples tested should represent the best marketable quality of steel ordinarily made by each of these manufacturers. The results obtained, both with Bessemer and crucible steel, are recorded in a series of elaborate tables, which will prove of the utmost utility to those employing that metal for constructive purposes. Tested by tension, the breaking stress of hammered Bessemer steel, such as is used for tyres, varied from 29.06 tons per inch to 40.71 tons per inch; hammered Bessemer steel, such as is used for rails, varied from 28.51 to 35.68; rolled Bessemer steel for tyres could bear a breaking stress of 32.09 tons per inch; for axles, 32.22; and for rails, 30.74 and 32.61 tons per inch respectively. The Bessemer steel was in no material degree inferior to crucible steel; for with hammered crucible steel for tyres the breaking stress varied from 30.69 to 40.57; for axles, from 35.72 to 48.13; for rails, 38.14; and rolled crucible steel for axles gave 30.62 tons per inch breaking stress. The ratio of the yielding to the breaking stress is in round numbers from two-thirds to three-quarters.

The committee has also been favoured by the Secretary of State For some time past a committee of civil engineers has been engaged

thirds to three-quarters.

The committee has also been favoured by the Secretary of State The committee has also been favoured by the Secretary of State for the War Department with a statement of a series of experiments made for the purpose of ascer taining the additional tensile strength resulting from tempering steel in oil and various temperatures by the officers in charge of the Royal Gun Factory. A record of these is given in the book, as well as of some further experiments on tension and compression of long bars, and for ascertaining the amounts thereof by measuring directly from the bar in order to obtain very accurate results. As to the amount of reliance that may be placed upon the experiments, it need only be stated that the committee consisted of Messrs. W. H. Barlow, George Berkley (who has very ably performed the duties of secretary), John Fowler, Douglas Galton, C.B., and J. Scott Russell, whilst the actual experiments were made by Mr. D. Kirkaldy, to give the fullest confidence that every detail by Mr. D. Kirkaldy, to give the fullest confidence that every detail has been carried out with the utmost care and ability. The committee take the opportunity to invite gentlemen who have made careful experiments upon the properties of steel to favour them with the results, and it is cordially to be hoped that the invitation will be freely responded to

freely responded to.

REPORT FROM SCOTLAND.

Jan. 25.—The firmness with which makers of Pig-Iron are holding to their prices is causing a great portion of their make to go into stock; and of the transactions which take place on 'Change no inconsiderable portion has been taken from store this month. The tendency of the variation in price—which embrace the limited range of 1½d. to 2d. per ton—is towards an advance; and if peace were only once attained prices would speedily run up 2s. or 3s. a ton. The languidness with which the market closed last week was imparted to the opening business of this week; and, although there is not much doing, yesterday transactions were up to 51s. 6d. cash paid, but the close was a fraction easier. To-day the market was brisk, and a fair business was done at 51s. 7d. to 51s. 8d. cash, and 51s. 10½d. to 51s. 11d. one month, closing buyers 51s. 7d. cash and 51s. 10d. one month, sellers 1d. per ton higher. No. 1, g.m.b., 52s.; No. 3, 51s. 3d.; makers' iron, No. 1, Gartsherrie and Coltness, 60s.; Summerlee, 58s.; Shotts (at Leith), 56s.; Langloan, 55s.; and all Eglinton (at Ardrossan), 52s. 6d. [Note.—By a mistake in transcribing the figures Summerlee was misquoted in last two numbers—should have been 58s.] Of the shipments of pig-iron from the Scotch ports 3430 tons Jan. 25.—The firmness with which makers of Pig-Iron are holding Summerice was misquoted in last two numbers—should have been 58s.] Of the shipments of pig-iron from the Scotch ports 3430 tons were foreign, and 5105 coastwise=8535 tons, against 9918 tons in the corresponding week of last year. This makes a deficiency on the shipments of the year to date of 8166 tons. The furnaces in blast are 127 to date, being two less than at the same time last year. With regard to Manufactured Iron it is difficult to say a word, quotations being nominal, and the whole workers on strike, with one or two executions. At this port we are completing some small ships.

or two exceptions. At this port we are completing some small ship-ments of fencing-bars, small rods, merchant bars, and piping, &c., at former quotations, but whatever new work is being booked it is on conditional terms. Rivet and cut-nail manufacturers are busy, and are enabled to keep themselves going out of their own or makers' stocks.

Makers' stocks.

Last week, in a postscript, we were enabled to note the likelihood of an arrangement being come to whereby the strike amongst the puddlers, millmen, and their assistants would be brought to a close before the end of the week, especially on account of the willingness of the millmen to accept the drop of 6d. a ton in the meantime. Into this arrangement the puddlers would neither be reasoned nor coaxed, and as the millmen had promised to make common cause with the puddlers, some time ago, they think they are now bound to stand out with the puddlers for a demand which their reason condemns. The Govan people, and two firms in the Coatbridge district, are endeavouring to effect a settlement for themselves, on terms of their own. This has been done at the Blochairn works, where the hands necessary for managing two large plate-mills, and their assistant heaters, have been arranged with, and are going on with their operations as usual. We believe we have also ground for saying that some of the more intelligent millmen are so working the switches as to draw off those who are persuadable from the strike line on to the work line, so that there is some good hope of this question being adjusted before much evil is done. Since the date of our last report there have been daily meetings of those on strike, at Coatbridge, Holytown, Glasgow, &c., and Last week, in a postscript, we were enabled to note the likelihood ings of those on strike, at Coatbridge, Holytown, Glasgow, &c., and not a few fiery denunciations uttered, with only this object accomplished, that the men are now in possession of the defaulte assurance of the masters that they are determined to enforce the reduction of of the masters that they are determined to entoree the reduction of 6d., or, as was stated, sweep away the 6d. given by the arbiter, while they were willing to allow the other 6d. to rest in abeyance until such time as the North of England arbitration is settled. Regarding the millmen, the masters were still resolved to reduce them 5 per cent. At the meeting held in Glasgow, on Monday, Mr. Kane, of the North of England Association, and Alexander McDonald, miners' agent, were present. The former advocated the introduction of the English system of arbitration into Scotland and recommended the men to go system of arbitration into Scotland, and recommended the men to go

were present. The former advocated the introduction of the English system of arbitration into Scotland, and recommended the men to go hand in hand, and this would probably be the last lock-out for many a-day. Mr. McDonald thought the men should look elsewhere for employment—Wales, England, even across the broad Atlantic, rather than submit to the selfishness of the masters. This injection of naphtha into the flames is not likely to aid the waning ardour of those who are feeling cold at the fire of their own kindling.

The Coal Trade is very buoyant, and the continued severity of the weather is adding to our home and coasting demand. The prices continue as last quoted, the briskness experienced keeping them very firm and steady. The shipments for the week embrace 10,375 tons foreign, and 33,615 tons coastwise = 43,990 tons, against 26,052 tons in the corresponding week of 1870. These figures bring up the total shipments of January to 105,624 tons, as contrasted with 92,767 tons in the same month last year. A series of thefts having been proved against Henry Smith, bill-clerk to Robt. Gray and Co., coalmasters, Westmuir, and also against James Lindsay, coal dealer, and Carter, Parkhead, as an accomplice, the former was sentenced to thirty days and the latter to sixty days imprisonment, as the greater culprit of the two. prit of the two.

rit of the two.

The Iron Ship Trade, with suitable weather, would be very brisk, ne clyde builders being well supplied with orders for the spring. On Saturday 18t there was launched from Fairfield a powerful iron scrow-steamer, of 2789 ns. British measuretent, and 600-torse power, for the Royal Mail Steam acket Com any of London. She was named the Tagus, and will run between ondon and the West Indies. Another steamer was launched at Whitelindon onday, for the London and Leith passenger trade of 1100 tone passenger.

Canal, was launched at Linthouse, named the Giensannox, of 1509 tons. The same afternoon a screw steamer of 256-horse power was launched at Port Glasgow, named the Strathelyde. She will be employed in the Eastern trade, and has accommodation for about thirty passengers.

We regret to notice in the bankrupt list the Gartcosh Iron and Steel Company, carrying on business in Glasgow and at Gartcosh, near Airdrie. The individual partners are named as James Morris, James Young, and Benjamin John Blackhurst.

Min John Blackhurst.

NOVELTY IN PUMPING.—There has been recently introduced at Halbeath Colliery an improved system of driving pumping machinery for mines, which is likely to attract attention, as it has proved very successful. The object is to provide efficiently for the great variation of strain in heavy pumping by bell or niks. This is attained by applying the patent Corliss system of steam engine, made by Mr. Douglas, of Dunnikler Foundry. The special peculiarity is t a this engine supplies itself at every movement with the exact amount of steam required to overcome the resistance at the time, and casts off the supply of steam whenever the load or strain is surmounted, thus ensuring the greatest steadiness of movement and the most economical use of steam and fuel. The pit to which the plan has been applied is about 70 fathoms deep, and has 16-in. pumps, with heavy water; the engine cylinder is 33 in. In diameter, and 4 ft. 6 in. stroke, so that the principle is well tested.

REPORT FROM THE NORTH OF ENGLAND.

REPORT FROM THE NORTH OF ENGLAND.

Middlesborough, Jan. 25.—There is very little that is new or interesting to communicate this week, business generally seems to be somewhat more depressed than it has been for the past few weeks. Enquiries for all classes of iron are fewer, and prices in many instances are also less firm. The attendance on 'Change at Middlesborough was but thin. For pig-iron the demand was light, considerably less, indeed, than might have been expected for the time of year. Consumers in many cases have either heavier stocks on hand from which to work than was generally thought, or they are without orders to cause them to be immediate purchasers, and as in the minds of a good many consumers there exists a belief that the presentrates for pig-iron will "go down," no doubt as little iron is being purchased by them as will barely satisfy present requirements. Stocks in makers' hands are reported to be rather largely increased since the commencement of the year, and although there is no apparent disposition on the part of makers to press their iron upon the market—a course that would immediately tend to reduce the present list prices—the rates paid during the past month were not so easily obtained yesterday. The average quotations are for No. 1, 50s.; No. 3, 46s.; No. 4, 45s., net eash at makers' works, or f.o.b. on the Tees; for four months' bill 1s. per ton more. There is a considerable falling off in deliveries by water to foreign ports, and also along the coast. The blast-furnaces in course of erection in the district are being pushed on to completion as rapidly as circumstances will permit, and some of them are shortly to be put in blast. The recent weather has impeded progress to a large extent, but wherever practicable the works are being proceeded with.

Rail manufacturers still complain of a want of fresh orders. Enquiries are slow, and makers are, by keeping their mills running good time as at present, fast reducing their orders. In some yands

Rail manufacturers still complain of a want of fresh orders. Enquiries are slow, and makers are, by keeping their mills running good time as nt present, fast reducing their orders. In some yards large stocks of rails are to be seen awaiting instructions for delivery. More than one of the large rail-making firms of the neighbourhood are reported to be pretty well off for work, but we believe, as a rule, that the rail order-books are comparatively bare. Prices, as may be expected, likewise remain bare. A few Scotch enquiries, however, for plates are being received: generally the plate trade is steady, and prices firm. Shipbuilding on the Tees is active, and engineering establishments are also full of work. Foundry orders are somewhat scarce, and prices are down to a comparatively low point. The Britannia Iron Company's works, at Middlesborough, are beginning to present a more complete appearance. The erections are being vigorously carried out, and a start about May or June is expected. At Messrs. Oswald and Co.'s new works, which were laid out a few months ago, near Hylton Castle, on the Wear, a plate-mill has been started, and other portions of the works are shortly to be completed. At the end of last year Mr. J. C. Hopkins resigned the office of Admiralty Commissioner on the Tees Conservancy Board, and Mr. H. W. F. Bolckow, M. P., of Middlesborough, has been elected in his stead. A meeting of the Council of the Cleveland Institute of Engineers was held yesterday, in the board room of the Exchange, Middlesborough, when it was unanimously resolved to invite the Ingineers was held yesterday, in the board room of the Exchange, Middleaborough, when it was unanimously resolved to invite the In-stitution of Mechanical Engineers to hold their next annual meeting in Middlesborough, in August.

TRADE OF THE TYNE AND WEAR.

TRADE OF THE TYNE AND WEAR.

Jan. 26.—The Export Coal Trade still continues extremely dull, owing to the long-continued obstruction to shipping caused by extremely stormy weather and severe frost. The demand, however, for house and other kinds of coal is excellent, and a large business has been done, most of the works being kept well going, and the prospect at present is certainly good. The iron shipbuilding and engine trades are generally very brisk, and foundries are also well supplied with orders. The demand for pig-iron is extremely good—stocks are low, and the make will be much increased shortly; but the demand for finished iron is only limited, and especially the rail trade is in a very dull state, although some good orders have been received on the Tyne lately, which will keep the works going some time.

A most lamentable and remarkable accident occurred on Thursday at the Wheatley Hill Colliery. This is a new colliery, late sunk in connection with the Thornley Colliery, by the original Hartlepool Coal Company. The total depth of the shaft is 129 ms, to the Main coal, the Five-quarter seam having been passed through 15 fms, above this. The workings in the Thornley Colliery are very extensive, and a junction was effected with these workings from the new winning at Wheatley Hill some thine ago. The seam at Wheatley Hill is 7 fms, below the level of the seam at the Thornley Pit, and, consequently, a powerful pumping-guine, capable of lifting 800 galions per minute, was rected at the new winning at Wheatley Hill some thine ago from the new winning at Wheatley Hill some thine ago from the new winning and the workings to old workings, in order to run the water of gradually, and lift they the pumping-power at the new shaft. One of the men, a hower, was engaged driving this drift on Thursday, when it appears that he had thined the coal so much that the pressure of water broke the remaining coal away, and a large body of water immediately rushed into the Thornley workings but in this part of the workings fortunat

UNEXPECTED RECOVERTOF TWO OF THE ALGEBRA USE TO TWO OF THE ALGEBRA USE TO THE ALGEBRA USE is clothes. The leading Thorniey man, William Brown, deputy-overman, soon to dold of Regan's hand, and both the lost men were specify dragged through to dry ground. They proved to be Michael Regan, a married man, and John mith, a single man; they were both much exhausted, but being furnished at mee with dry cloths, and conveyed to bank, and afterwards taken home and mee with dry cloths, and conveyed to bank, and afterwards taken home and to be deep found, but the workmen thought it was out of their reach, and, there are seens they had passed through, which are truly appalling. It appears that after many struggies with the torrents of water, Smith and Hail set at towards the Thorniey Work, as it, shough they were entirely in the dark, their map struggies with the torrents of water, Smith and Hail set at towards the Thorniey Work, as it, shough they work mere they in the dark, their may struggies with the torrents of water, Smith and Hail set at the mean of the struggies with the corrents of water, Smith and Hail set at the work the Thorniey Work, as it hough they work mere they in the dark, their hap having been extinguished, and in the way met with Regan and Bell, and he latter encouraged them to press towards the Thorniey workings, and this hey did until they arrived at a point where the water reached the roof, and his point they found it impossible to pass. However, they found a "cough," in From, who attended as the representative of the company, providence to prove how it was fired. They recommended that for the found that they found it impossible to pass. However, they found a "cough," in From, who attended as the representative of the company, providence to prove how it was fired. They recommended that for the found that they found it impossible to be made to keep a wake, and they found it impossible to pass. However, they found a "cough," in From, and they found it impossible to be made the way in the found of the f

liery, belonging to Earl Vane. At five o'clock on Tuesday afternoon eight men and two boys were employed in the south-east part of the coiliery, about two miles from the No. I shaft, the scan dipping in that direction 22 fms.—that is, 22 fms. A man named James Roseby, one of the workmen alluded to, struck his pick through into some oil workings, and immediately some water gushed out, at first only the thickness of a man's arm, but in a short time a mass of coal was broken away, and a great body of water rushed out. Roseby alarmed the other men, and all of them escaped towards the shaft, with the exception of two, a man and a boy, and it is feared that this man and boy are lost—that is, W. Candlish, 45, married, with six children; and George Charlton, aged 16.

REPORT FROM MONMOUTH AND SOUTH WALES.

REPORT FROM MONMOUTH AND SOUTH WALES.

Jan. 26.—So far there has been no material movement in the demand from the various foreign countries, America excepted. The contracts which are coming to hand from the United States are increasing, and furnish considerable employment at the works. Unless, however, enquiries come from other quarters, the American demand, large though it may be, cannot long afford the amount of work necessary to keep the hands at all the large establishments of the district in anything like full time. Complaints in some parts of the district are already rife in regard to the scarcity of contracts, and there can be little doubt but that, if no improvement on the present state of things takes place shortly, it will be found necessary to place some of the hands on short time. Home transactions continue slow in nearly all descriptions, but more especially in railway iron. In regard to pig, it might be said that it has latterly been generally felt that some restriction must either be put on the production, which has for some time been large, or stocks would increase considerably. A change might very soon now, however, take place, which will render the demand for finished iron more equal to the large make of pigs, and prices, which have begun to evince less firmness, will yet be maintained. Plates continue in fair request. Bars remain quiet. The prospects of the Tin Plate Trade are rather uncertain just now, as the discontinuance of the war would belikely to affect the present demand considerably.

But for the continuance of the Franco-German war the Steam Coal

uncertain just now, as the discontinuance of the war would belikely to affect the present demand considerably.

But for the continuance of the Franco-German war the Steam Coal Trade would, undoubtedly, have ere this been in a tolerably satisfactory state. The demand from the leading mail-packet stations remains about the same as previously reported, and the enquiry is, if anything, in excess of that of the corresponding period of last year. It cannot be said that quotations are remunerative, excepting where, from favourable natural circumstances, the coal can be worked from favourable natural circumstances, the coal can be worked cheaply. The House Coal Trade continues fairly active, there being an average enquiry on West of England and Irish account, as well as a brisk local demand.

Another proof is given that the expectations at least of the Iron

Another proof is given that the expectations at least of the Iron Trade are good. It is understood that some important extensions are to be made at the kinymney Ironworks. A new blast-furnace is about to be erected, which will give employment to a large number of additional hands. These works continue in a fourishing condition, and the dividend declared by the company for the last year indicates that the concern is prospering.

It is now pretty generally understood that the Nant-y-Glo and Beaufort Ironworks are in the market, and it is reported that the Blaina Iron Company are in treaty for the purchase of the same. The reasons assigned for the proporty being disposed of are the advanced age of Crawshay Balley, and his partner's distinctination tocontune in active connection with the iron trade. The death has been announced this week of Mr. Townshend Wood, principal of the firm of Messrs. Townsend Wood and Co., tron merchants, and one of the proprietors of the Briton Ferry Ironworks. The deceased, who had been actively connected with the iron and metal trades for many years, was much respected.

A pleasing rumour is current in the neighbourhood of Pontypool,

A pleasing rumour is current in the neighbourhood of Pontypool, to being understood that the Pontymolie Thuworks and the Town Forge establishments, which have been lide for some considerable time, have been taken possession of, and that operations will shortly be resumed there.

An explosion of fire-damp, which might have caused very scrious results, occurred at the Liwynypia Colliery. Rhondda Valley, on Monday. The pits beiong to the Glamorgan Goal Company, who are generally known to spare no expense to render their collieries secure from accident of all kinds. On this occasion two men who were working by naked lights struck what is commonly known as a "blower." A large quantity of gas escaped, and immediately exploded on coming in contact with the lights. The men were seriously injured, but their lives were saved. The effects of the explosion were very severe, but owing fortunately to the eccellent state of the ventilation of the pit it was completely confined to the immediate locality of the "blower." The results of the occurrence in every way speak well for the management.

The arrivals at Swansea include—Deerhound, from Chanaral, with 755 tons of copper regulus, 210 tons of silver ore, for H. Bath and Son. Epsion, from Bolivia, with 825 tons of intrate of soda, for H. Bath and Son. Epsion, from Bantander, with 302 tons of iron ore, for H. Bath and Son.

A COLLIERY FLOODED OUT AT WREXHAM .- The celebrated Wrex A COLLIERY FLOODED OUT AT WREXHAM.—The celebrated Wrexham (colliery, which is situated at Rhoodus, about a mile from Wrexham, has been drowned or "flooded out." The colliery was commenced about three years ago, and already upwards of one hundred thousand pounds has been invested in the enterprise. It is only a few weeks ago since there was a demonstration, in consequence of having reached the Main coal, as it was thought, in a very short time, some 990 or 1601 workmen would be employed, which would give great impetus to the general trade of the district. There are two pits sunk, one being about 300 yards deep, and although every perfection of engineering skill has been applied to the working of these pits, the water broke in, and is now within about 15 yards off the surface, thus throwing out of employ between 150 and 200 men. Fortunately no lives were lost. What time it will take to pump out this volume of water, or what damage will have been done to the pits, is as yet beyond calculation, as the pits are lower than the surrounding collieries, and situated at the foot of the Berwyn range of Welsh mountains.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE,

BEPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Jan. 26.—The Iron Trades are quiet. The uncertainty which attends the issue of the war and of the Black Sea Conference is exercising an adverse influence on the trade. The large capitalists will not enter into any extensive engagements so long as it remains uncertain how long war will last, and what future complications may result from the unsettled state of politics in Eastern Europe. The news of negociations having been commenced created a hopeful feeling at the meetings at Wolverhampton and Birmingham, but as yet the news is very vague, and the result very uncertain. Pig-Iron continues in good request, and steady at the 2s, 6d. advance established at quarter-day. Present quotations are as under:—Common forge cinder, &c., 2l.12s, 6d. to 3l.2s, 6d.; mine pigs, 3l.12s, 6d. to 3l.17s, 6d.; hydrates, 3l. 15s. to 4l. 5s.; foundry, common, 2l. 17s. 6d. to 3l.7s, 6d.; ditto, best, 3l. 12s, 6d. to 4l.2s, 6d. For the commoner varieties, however, these prices are not very strictly adhered to. Ores are in ditto, best, 3l. 12s. 6d. to 4l. 2s. 6d. For the commoner varieties, however, these prices are not very strictly adhered to. Ores are in good demand at low rates, and the consumption of foreign varieties is steadily increasing. Orders are mainly confined to the smaller sizes for ordinary use, and short time is rather general. The business of Walter Robinson and Company, Gospel Oak Ironworks, has passed into other hands. Mr. Robinson has hithertoconducted the business, the works being devoted to the manufacture of sheet-iron, for which the firm have attained a good name. The circulars announcing the change, state that Mr. Lee, of London, will continue the establishment under the style of the Gospel Oak Iron and Galvanised Iron Company. The business will include the manufacture of sheet-iron and wire in conjunction with that of galvanised iron, as carried on up to this time by Mr. J. M. Clark, at the Mitre Works, Wolverhampton. Mr. Walter Robinson will settle the accounts of the old firm of W. Robinson and Company.

up to this time by Mt. v. hampton. Mr. Walter Robinson will settle the accounted hampton. Mr. Walter Robinson will settle the accounted firm of W. Robinson and Company.

A fatal explosion at Hednesford, at one of the pits belonging to the late Hednesford Colliery Company, and lately purchased by the Cannock Chase Colliery Company, was the subject of enquiry before the district Coroner at Hednesford on Friday, in connection with the death of a youth, named Joel Chilton. Two other persons were badly burnt. In reply to Mr. Baker, the Government Inspector, it was stated that the veutlation was very good, as a rule, but that it was irregular at times, and that on the morning of the explosion the overnan four times examined the wasto for gas. Foul gas was, it appears, found in the broken roof. It was acknowledged, in reply to Mr. Baker's questions, that "Fire" was writen in No. 8 stall by the night freman on Tuesday night to show that gas a man in No. 8 stall by the night freman on Tuesday night to show that gas the control of the considered the ventiles of the considered the ventiles.

work over-time, so as to make a little extra money for Christmas, and the sub-Inspector was strongly urged to accept payment of the costs, or at least, the penalty in one case, but he was inexorable, and four penalties of 1*l*. each and costs were imposed, and a like penalty in a case against another Walsall firm. The pinch is perhaps most severely felt from the fact that so many are exempt from any restrictions whetever. tions whatever.

CANNOCK CHASE.—The Cannock Chase Company have just completed another pair of pits, which are now being opened out for getting coal. The company commenced some vears ago with the sulphur coal, that being the first from the surface at their first pit, but by sinking in the direction in which the measures dip they have met will others, such as are found near Essington, but the coals at present worked are the shallow, deep, and Cannel coals. The company appears to take a laudable interest in the welfare of their workpeopic, and it is pleasing to see what a little colouy has sprung up around the works, and it is pleasing to see what a little colouy has sprung up around the works, and it is pleasing to see what a little colouy has sprung up around the works. Many of the workmen there are about 2000) live in houses they have orected for themselves, by means of Building Societies. We cannot any mode for the taste displayed, so far as the architecture is concerned, at they are described for themselves, by means of Building Societies. We cannot a produce for themselves, by means of Building Societies. We cannot any mode for the state displayed, so far as the architecture is concerned, at they are described for the square, packing box looking shaps, each standing by itself, in most in stances, and looking as nighy as a thing all direct angles can be imagined to look. It is gratifying, nevertheless, to find the men displaying the fought and prudence necessary to construct them. A new churr of the chief proprietors, has expressed a wish that the boys and others who are employed in these collectes shall have an opportunity of becoming acquainted, by means of night schools, with those branches of education which bear so intimately upon their duties and responsibilities as workers in changes or to cal mines. And Mr. Brown, the very able manager of this company, has expressed his anxiety report which beet endeavour age of the company, has expressed his anxiety for render his best endeavour age of the company, has expressed his CANNOCK CHASE .- The Cannock Chase Company have just com-

The Dudley Correspondent of the Wolverhampton Chronicle writes:-

The Dudley Correspondent of the Wolverhampton Chronicle writes:—

There continues a large demand for thick coal, and though the output is very great the requirements of trade cannot be satisfactorily met. A good deal of discussion is taking place just now between our local stientific men on the question whether or not any coal iles between the Himley, or what is otherwise called the Great Western boundary fault and the Shropshire coal fields. Some argue that there are evidences of a great amount of demadation having taken place in this area soon after the depositions of the coal measures, and previous to the formation of the Red Rocks, and, as a consequence, that little if any coal is to be met with; others contend that if the western boundary was a "clean cut," or a succession of "clean cuts," within a short distance, it leads to the conclusion that the South Staffordshire coal field was far above its former relative position, leaving a part of the coal measures formerly on a level with it far below it to n the western side of the fault, were they are still covered by an immense thickness of Fermian rocks, and the bed comprised in the New Red Sandstone series, whilst demidation had brought to the surface of the earth down to the level of these series of coal measures and placed them within easy reach, the level of these series of coal measures and placed them within easy reach, the level of these series of coal measures and placed them within easy reach, and the bed comprised in the New Red Sandstone series, whilst demidation had brought to the surface of the earth down to the level of these series of coal measures and placed them within easy reach, the level of these sories are solved until by some means or other a trial shaft or bore-hole is put down between the two fields, and the sooner this is done the better. We stated a short time ago that as the Thick coal in the neighbourhood of the Salt Wells. Brieriey Hill, and Himley was being rapidly exhausted, it became a question where our future supplies for th

REPORT FROM DERBYSHIRE AND YORKSHIRE.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Jan. 26.—There is no change to be noted with regard to the Coal and Iron Trades of Derbyshire and the adjoining county of Leicester. A steady business is being done in manufactured iron, whilst there is a very large output of pig. In coal a heavy tonnage is being sent to London, the rate having in no way interfered with the trade there. It is felt by the coalowners that the desire of those in South Yerkshire to have the rate as low as from Derbyshire is contrary to all reason. The principal collieries sending coal to London by the Milland are, at the very least, 30 miles nearer to that place than those in Yorkshire dependent on the Great Northern. The differential rate of is. 4d. per ton, while ketsted up to the close of last year, it is asserted is not too much for the difference in the distance. The Yorkshire colowners have an advantage which nearly counterbalances that enjoyed by those on the Midland in being so much nearer to London—the coal raised by the former is much theker than in Derbyshire. The well-known Barnsley scam is nearly 9 ft. thick in the collieries connected with the Great Northern, whilst the same seam in Derbyshire and at Shirecaks, and along the Midland route, varies from 3 feet to 6 feet. The colliery owners on the Midland also state that they have to pay more per ton to their workpeople for getting their coal, owing to the thinness of the seam, than is paid in South Yorkshire, whilsts everal mining engineers gave evidence sometime since that the advantages altogether in favour of the latter sending by the Great Northern was nearly 2s, per ton, when compared with the owners in Derbyshire sending over the Midland. In connection with that line, we may say it is now carrying a very large tonnage of ironstone from Northamptonshire to the neighbourhood of Chesterfield, and taking back coal for the blast-furnaces. Some of the ironmasters in the county of Northampton, it is stid, are likely to assist in proving the measures there, as it is expected that co

The Coal Trade of South Yorkshire is in a healthy state so far as regards household qualities, of which a rather increased tonnage is going to Loudon. In steam coal there is not so much being done, this being usually the quiet season. The opening of Paris, however, would no doubt be the means of can-ing a very large tonnage to be sent to France from the Yorkshire ports. Engine fuel for Lancashire is in very fair request, but prices are still low. On Tuesday there was a meeting of the South Yorkshire Coal-operation of the King's Head Hotel, Barnsley. No business of importance was transacted, but it was stated that the line known as the South Yorkshire Coalowerer' London Rallway was being proceeded with, and that the deposit money required by the Act of Parliament had been duly paid. Condicten thopes are entertained that the Bill, despite the great opposition it is likely to meet with from some of the leading companies, will be carried through the Committee of the House of Commons.

Mr. P. Casey, one of the secretaries of the South Yorkshire Miners'

Mr. P. Casey, one of the secretaries of the South Yorkshire Miners'

Association, has been nominated as a memoer of the Barnsley Education Board, and there is every appearance of his being returned.

A case of considerable importance, as showing the great evil of want of discipline in collieries, has been brought before the magistrates, by Mr. J. T. Woodhouse. Some short time since there was an explosion of gas in a colliery at Moira, and in consequence Mr. Woodhouse that the product of the state o explosion or gas in a collery at alora, and in consequence art, would have directed that in a certain part of the workings safety-lamps should alone be used; yet some lads, whose work was merely to take charge of the horses, and who could, therefore, have had no excuse for their conduct, opened their locked lamps, and thus endangered the lives of some fifty persons. Fines of 11, each and costs were inflicted, and the magistrates stated that similar offences would in future be more severely dealt with. Mr. Woodhouse is entitled to the thanks of all colliers for prosecuting the matter, and it is to be hoped that every colliery official will, in similar cases, act with equal decision.

How Colliery Explosions Occur. - At the Barnsley Town Hall, How Colliery Explosions Occurs.—At the Barnsley Town Hall, Joseph Parker was charged with having a tobacco-pipe and three incider matches in his pockets while at work in the Lundhill Colliery, Wombwell, which in 1837 was the scene of a terrible explosion, by which 1891 lives were lost. Mr. Beecher, the manager, said each man received a copy of the rules on entering the company's service, one of which stated that matches or pipes should not be taken into the pit, which was entirely worked with safety-lamps, except just at the pit bottom. In that part of the pit where the defendant worked the gas was liable to be given off. Thomas Redgate deposed to examining some clothes in the pit on the 20th inst., in company with another man, when he round a tobacco-pipe and three lucifer-matches in one of the pockets. He called the defendant, and asked him whose clothes they were. He replied they were his. Thomas Lockwood, who accompanied the last witness to search the clothes, corroborated this and said he had seen the defendant smoke a pipe on his road home from the pit many a time. The Chairman, after consulting with the other magistrates, said

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when the sad explosion at the Oaks Coillery ocurred the Bench made a rule, and acted upon it, to send all persons to prison who were guilty of such conduct. There had been a terrible catastropic at that coillery, by which many lives were sacrificed, and the defendant could not be surprised at the step taken. They committed the defendant to the Wakefield House of Correction for two months, with hard labour. The defendant denied the charge, and said a man had put the matches into his pocket

PACIFIC.—The committee of shareholders, in their report, urge the desirability that in future the agent at Lander Hill should, if possible, be a man practically acquainted with silver mining in that district, and that a scientific man, thoroughly competent to sample, assay, and reduce the ore should be appointed as superintendent; they also think it will be found necessary to make great changes in the staff at Lander Hill and for the future welfare of the company a modification of the board of directors is necessary. Mr. Applegarth, of the Eberhardt Mining Company, states that Lander Hill he believes to be "a good property, which, if properly worked, will turn out well." In this belief the committee, and several gentlemen whom they have consulted, concur, and if the recommendations suggested are carried out they entertain what they believe to be a well-grounded hope, that with attention and good management the affairs of this company will soon be in an improved condition.

THE MINING SHARES INVESTMENT COMPANY (LIMITED) IS PREPARED to RECEIVE APPLICATIONS for LOANS to be MADE by the COMPANY on the SECURITY of SHARES IN DIVIDEND-PAYING MINES.

PAYING MINES.

By Order of the Board,
CHARLES HURLBATT, Secretary.
Offices, 6, Queen-street-place, London, E.C.

WEST RHOSWYDDOL CONSOLIDATED LEAD MINING COMPANY (LIMITED).—FOR SALE, FIFTY fully paid-up SHARES in this company, at 10s, per share net cash.
Apply to the METALLIC MINING ASSOCIATION, 108, Palmerston-buildings, Old Broad-street, London, E.C.

THE PACIFIC MINING COMPANY (LIMITED).—
Notice is hereby given, that the ADJOURNED GENERAL MAETING
of the Shareholders will be HELD at the London Tavern, Bishopsgate-street
Within, on MONDAY, the 30th instant, at Two o'clock precisely.
By order of the Board.
W. J. LAVINGTON, Secretary.

9, Union-court, Old Broad-street, London, E.C., Jan. 13, 1871.

THE TROY SILVER MINING COMPANY

(LIMITED).

Incorporated under the Companies Acts, 1862 and 1867, whereby the liability of each shareholder is strictly limited to the amount of his shares. Capital £50,000, divided into 50,000 shares of £1 each. Upon which 5s. is to be paid on application, 10s. on allotment, and the remainded on or before the 1st May, 1871.

EDWARD ASHWORTH, E-q., J.P., Newchurch—CHAIRMAN, HENRY MADEN, Esq., J.P., Bacup. G. H. ORMEROD, Esq., J.P., Newchurch, W. STEWART, Esq., M.D., Bacup. BICHARD SMITH, E-q., Bacup.

MANCHESTER AND COUNTY BANK (LIMITED), Bacup, Lancashire. (London Ageute: Union Bank of London).

SOLICITORS—Messrs. WOODCOCK and SONS, Haslingden. AUDITOR-JOSHUA LORD, Esq. SECRETARY-Mr. FRANK HUNTER.

PROSPECTUS.

PROSPECTUS.

This company has been established for the purpose of acquiring and working valuable silver mining property, situate in Beaty's Canyon, in the Troy Mining District, Nye County, in the State of Nevada, United States of America.

The Articles of Association provide that the directors may issue 20,000 shares as fully padd-up, as part of the consideration for the contract of sale and purchase, upon such conditions as to dividends upon such shares, and the transfer of such shares, or any part of them, as they may deem fit.

The property has been reported upon by Mr. Eliery, C. and M.E., of New York, and Capt. Altken, F.G.S., of Bacup, Lancashire; and the specimens of the ore, good and had together, have been assayed and reported upon by Prof. Forbes, F.R.S., F.G.S., of London.

Three cases of ore (not picked, but as it fell from the blast) were sent direct to Prof. Forbes, of London, by Capt. Altken, for analysis, and the results per ton of ore are considered by competent judges to be highly satisfactory.

The purchase-money of the estate is already paid, and the property is convexed to the company; and it is intended to complete the works so as to have sliver bars shipped before the close of the present year.

The largest proportion of the share capital is already taken up, and the directors are now prepared to receive applications for the remainder.

Application for shares in this company can be made to the Secretary, Mr. Frank Hunter, registered offices, irwell-terrace, Bacup, Lancashire; or at the company's bankers.

J. TAYLOR AND CO., SHAREDEALERS, MINE AGENTS, &c., MINING EXCHANGE, SOUTH KING STREET, MANCHESTER.

EAST LLANGYNOG LEAD MINING COMPANY

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EAST LLANGYNOG LEAD MINING COMPANY

(LIMITED).

This mine continues to improve, and, as it is now altogether out of the category of speculative mines, presents a very rare opportunity for investment. We can strongly recommend it to the investing public as a mine out of which very large profits may be made. We invite capitalists and others who wish to realise large profits to inspect the stones of solid lead or now on view at our offices at the above address, weighing from 1 cwt. to 6% cwts., out of a lode valued at \$100 per fm. There are five other powerful and well-defined lodes, two or three of which are in good ore, one yielding 2½ tons per fm. Taking into consideration the short time the company has been in existence, we do not know another in the kingdom presenting advantages anything approaching this mine.

We strongly recommend our friends at once to purchase the shares at the present low price at which they are offered, as we feel fully convinced that they will soon realise five or six times their present price.

The mine has been inspected by four or five first-class mining engineers—among whom is Capt. Thomas, for 20 years agent for the celebrated Llangynog Mine, which has paid in royalty alone over £800,000, and raised ore to the value of more than £6,000,000 setrings—all of whom agree that it is likely to become a lasting dividend-paying mine. Capt. Thomas and Capt. Julian—both of whom have had great experience in Welsh mining—consider it to be one of the best mines in the Principality of Wales.

Avery large quantity of ore is already broken, and the agent at the mine says he can have 40 or 50 tons ready dressed for market by the end of January, 1871.

Alew shares may now be obtained, at £2 10s. per share, by early application to Meesrs. J. TAYLOR and Co. have also FOR SALE a FEW SHARES in the CWM

J. TAYLOR and Co. have also FOR SALE a FEW SHARES in the CWM RICKET LEAD MINING COMPANY (LIMITED), at 24 per share. At this mine the water-wheel, drawing machine, and crushers, which have for some time past been under preparation, are now nearly completed, and it is expected that sales of ore will very soon be made. Dressing operations have been going on for some time past.

on for some time past.

The Cwn Ricket is in close proximity to the Van Mine, the shares of which
have within a very short time advanced from £4 5s. to over £53 per share.

THE WEST WHEAL COIT TIN MINE. ST. AGNES, CORNWALL.

To be conducted under Special Rules compiled from the provisions of "The Stannaries Act, 1869."

To be divided into 2000 shares, Meetings quarterly.

This company is being formed for the purpose of working a very superior tin mine, in the parish of St. Agnes, a district celebrated in the annals of Cornish mining.

MESSRS. COATES AND HANKEY, OF 24, GRESHAM STREET, LONDON, ARE AUTHORISED TO RECEIVE APPLICATIONS FOR

40,000 A PRIORITY SHARES IN THE

PYRAMID RANGE SILVER MOUNTAIN
COMPANY (LIMITED).
Registered under the Companies Acts, 1862 and 1867.
Capital £500,000, in 100,000 shares of £5 each.
Divided into 60,000 A priority shares, and 40,000 B deferred shares. Applications are now invited for 40,000 A priority shares of £5 each, having priority of dividend over the B shares up to 20 per cent. per annum.

priority of dividend over the B shares up to 20 per cent. per annum.

£1 per share payable on application, £1 per share on allotment, and
the remaining £3 within twelve months from the allotment.
One month's notice to be given before any call is made.

The remaining 20,000 A priority shares, and the 40,001 B deferred shares are
taken in part payment of the purchase-money. The vendors are not
entitled to receive more than 10,000 of the A priority shares, nor
any of the B deferred shares, until a dividend of not less
than 20 per cent, shall be paid on the remaining A share
capital, and no dividend will be payable on the B
shares in any year, until a dividend of 20 per
cent, shall have been paid on A share capital.

All dividends beyond 20 per cent, on the entire capital declared in any year will be applicable to A and B shares, pro rata.

will be applicable to A and B snares, pro ross.

DIRECTORS.

The Hon. L. G. AGAR ELLIS, M.P.
WILLIAM AUSTIN, Esq., Director of the Sambre and Meuse Railway.
JAMES RENNIE, Esq., C.B., late Marine Secretary to the Government
of India.
JOHN D., FRY, San Francisco, President of the Comstock Mines, Nevada.
SOLOMON HEYDENFELT, San Francisco, Ex-Chief Justice of the
Suppress Court of California.

Supreme Court of California.

GEORGE D. ROBERTS, San Francisco, Merchant.

With two more to be elected by the English shareholders.

WITH TWO more to be elected by the English shareholders.

BANKERS.

Mossrs, SMITH, PAYNE, and SMITHS, I, Lombard-street, London, E.C.
BROKERS-Messrs, COATES and HANKEY, 24, Gresham-street, London, E.C.
SOLICITORS-Messrs, ASHURST, MORRIS, and Co., 6, 01d Jewry, London,
AUDITORS-Messrs, C. F. KEMP, FORD, and Co., Walbrook, London,
SECRETARY (pro tem.)-Mr. CHARLES WARNER.

OFFICES IN LONDON.

9, GEORGE YARD, LOMBARD STREET, LONDON, E.C.

PROSPECTUS.

PROSPECTUS.

For several years tradition has pointed to the existence of mountains of silver in the neighbourhood of Arizona, in the United States, but until a very recent period their exact position could not be ascertained, in consequence of the district being in the possession of Indians. The submission, however, of the latter about twelve months since led to bands of explorers being organised, and the discovery and location by them of ledges of silver ore, unequalled in mining enterprise. Upon the facts being made knows experienced miners repaired to the spot, and in consequence of their reports, and statements made by them as to extent, richness, and value of the ores, the vendors, under whose notice these reports came, forthwith dispatched practical and competent persons to investigate the locality, and procure samples from all parts of the mountainous range, the results of which, after being duly tested, convinced that the ledges of ore in sight, in point of magnitude and richness, as well as facility for working, were unequalled, and in point of quantity inexhaustible.

An assay of 40 has, of ore, consisting of 32 samples, was made by Mesars. Richn, Hemme, and 50, of the California Assay Office. Mr. Leopold Kuh, of San Francisc, and the San Francisc, as the San Francisc, as a stated in the month of October last by Mr. Henry Morgan, of 39, Jermyn-street, St. James's (in whose intelligence and veracity the directors place the utmost reliance), who was then travelling in America, and whose attention was directed to these wonderful discording. He was accompanied by men of sound practical knowledge, and by Dr. Cleveland, of San Francisco, a well-known scientific authority. In the presence of Mr. Morgan, and under his personal direction, numerous samples of the ore were taken from all parts of the range, and brought by him to England for the purp so of being assayed. The following are the certificates of assay by Messers, Johnson, Matthey and Co., of Hatton-gardon, and by the School of Mines, Jermyn-street, t

Assay Offices and ore From, Assay Offices and ore From, Assay Offices and ore From, Assay Offices and Ore From All Mark of sample,

1.—Large, Produce of silver, 134 ozs. per ton of 20 cwts. of ore,
2.—Smail. "19-50 ozs. ""
3.—" "86 ozs. ""
For H. Morgan. (Signed) JOHNSON, MATTHEY, AND CO.

Metallurgical Laboratory, Royal School of Mines, Jermyn-street, London, Nov. 26, 1870.—Sin: A sample obtained by breaking off pritions from several imps of ore from New Mexice has been assayed, according to request, and tound to contain, of silver, 129 ozs. 9 dwts. 4 grs. per ton of 220 lbs.

Henry Morgan, Esq. For Dr. Percy, Richard BMITH.

As the object was to obtain a fair average assay of the ores taken from all

Now. 28, 1870.—Stur A sample obtained by breaking off perflons from several lumps of ore from New Mexice has been assayed, according to request, and found to contain, of sliver, 129 ozs. 9 dwts. 4 grs. per ton of 2210 lbs.

Henry Morgan, Esq.

As the object was to obtain a fair average assay of the ores taken from all the ledges, Mr. Morgan, after consulting with the authorities at the School of Mines, and Messra. Johnson, Matthey, and Co., as to the best means of attaining that end, sent the whole of the samples to Messrs. Johnson. Matthey, and Co., with the request that they would break a plees from each, pound them together, and ascertain by every means in their power the commercial value of the ore. The following is the result of the say of 190 of such specimens:—

CERTIFICATE OF ASSAY.

**Assay Offices and Ore Floors, Nov. 28, 1870.—We have examined the samples of mineral marked as under, and flad the following to be the result:—

Average sample taken from 19 specimens of mineral.

2 qrs. 20 lbs. Produce of silver, 139 500 ozs. per ton of 20 cwts.

For Henry Morgan, Esq.

2 prs. 20 lbs. Produce of silver, 139 500 ozs. per ton of 20 cwts.

The identity of the samples assayed in England is verified by a statutory declaration, which may be seen at the offices of the solicitors.

The account published by Mr. Morgan of his visit to the mines, which accompanies the prospectus, furnishes fall details of the marvellous character of the properties which this company has secured, and attention is particularly directed to the plan illustrating the peculiar fact that the mass of ore which it is lutended to work is above ground, and can be seen by any person visiting the soot, and the gross quantity ascertained. The usual scientific examinations to accertain the contents and probable produce of mines are not, therefore, in this case necessary.

**The vendors were the original owners of two-sixths parts of the property agreed to be sold to this company; they have expended more than 230,000 in acq

It will be worked by water power, which is abundant, and no steam power will be required.

From the calculations and assays above mentioned, it results that, with the working capital which will be at their disposal, the company will be enabled to crush and extract silver from at least 255 tons of ore per diem. The average assays show more than \$200, or £0 per ton; estimating, however, the produce, for the purpose of this calculation, at only \$50, or £10 per ton, the daily produce would be

mine, in the parish of St. Agnes, a district celebrated in the annals of Cornish military in the parish of St. Agnes, a district celebrated in the annals of Cornish military in the parish of St. Agnes, a district celebrated in the annals of Cornish military in the parish of St. Agnes, a district celebrated in the annals of Cornish military in the parish of St. Agnes, a district celebrated in the annals of Cornish military in the parish of St. Agnes, control of the column of reports in the reports of Captains Nancarrow and Davies, which will be found in the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports in this day's Journal, rendering it unnecessary to dilate the column of reports of this day of the property of the column of reports of the column of the parish of the company of the rendering in the property of the column of the company in the military in the property of the column of the company in the military in the property of the column of the company in the military provisions, and providing for the property of the column, and the column of the column, and the column of the company in the military provisions, and providing for the property of the column, and the column of the company in the military provisions, and the column of the column of the company in the military provisions, and the column of the column of the company in the military provisions, and the column of the column of the company of the column of the

THE TEIGN MANGANESE

DADDISCOMBSLEIGH, DEVON.
To be worked under the Special Articles compiled in conformity with the Stannaries Act, 1869.

To be divided into 1500 shares,

Of which 1000 only will be issued to the public.

A company is being formed for working the property referred to in the an-nexed report by a well-known manganess miner. Full particulars are set out in the report, so that it is unnecessary here to enter into detail; it is, however, hoped such report will be accepted as a sufficient guarantee to the public to in-vest their money.

hoped such report will be accepted as a sufficient guarantee to the public to invest their money.

The present price for manganese, after it has been manufactured, which can be done on the mine at a small outlay, is £6 16s, per ton, which will leave a very large percentage profit, the cost of raising being trifling, as the mineral is found near the surface.

This undertaking is specially recommended to investors, as they will run no risk, the property being sure to amply compensate any moderate outlay. Calls will not exceed £2 per share, and it is hoped and believed that by strict economy and careful management only one-half will be required. The calls will not be made at less intervals than three months.

Shares can be secured by applying to Mr. TREVITHICK, Yatton, Bristol; and to Mr. EDWARD MARTIN, Truro, Cornwall.

Soares can be secured by applying to Mr. Thevithick, Yatton, Bristol; and to Mr. Edward Markix, Turo, Cornwall.

Sept. 20, 1870.—This sett is about one mile square, and within its boundary several lodes are known to exist, and all produce more or less manganese of superior quality. It is, however, sufficient to say that one of these lodes has been worked on by the Williams family, of Cornwall, out of which, it is stated, they made no smaller sam than C30,000; be this as it may, no doubt can arise formed near the surface, and unbottomed on a larse elvan course, which has never been cut through or seen in depth below, and it may be said to be one of the extraordinary occurrences in mining, as from enquiries the same result in every instance has been formed below as above. This has occurred in every manganese online in D-von, and yet this nine still remains untouched, and can be proved by an adit level being driven on the course of the lode all the way, and the outlay very small. There are several other parallel lodes, which have a good appearance, one of them being 6 to 9 ft, wide, in a course of manganese that cannot be sunk for water without the aid of machinery; but this can be unwatered by an adit level to about 25 fuss, deep, and may be fairly considered anine in treeff. This alone is worth a recanable outlay. I, however, think about £2000 will be plenty to work the lodes, and perhaps one-half would be astificient, as the only machinery more apparatus attached to it for pulverising purposes, and if I had the erce ing of the machinery and laying out the concern, with a very small salary. I think I could safely guarantee to make it a paying mine for less money than I have stated; and to any gentleman who might desire to visit the spot I could classily explain how it utips be done.— R. TREVITHICK.

NORTH HOOE SILVER-LEAD MINE.

NORTH HOOE SILVER-LEAD MINE.

In 3000 shares.
To be conducted on the COST-BOOK SYSTEM.
OFFICES,—No. 22, GREAT ST. HELENS, LONDON.

To be conducted on the COST-BOOK SYSTEM.

OFFICES,—NO. 22, GREAT ST, HELENS, LONDON.

This company is formed for the purpose of working the very valuable mine known as North Hooe, situated on the banks of the River Tamar, in the parish of Beerferris, in the county of Devon. The sett is extensive, being upwards of 700 fms, from north to south and 200 fms, from east to west. It is bounded on the north by the Scuth Ward Mine; on the south by the old Tamar Silver-lead Mine (locally known as South Hooe) and the late South Tamar Mines, the former of which returned to the shareholders a very large sum in dividends, and the latter nearly £30,000 up to the time of the unfortunate accident in 1856.

The sett is in the lands of His Royal Highness the Prince of Wales and the Right Honeurable the Earl of Mount-Edgeambe; the dues are 1-18th, and the term for 21 years.

A perpendicular shaft has been sunk to the 110 fm. Ievel, and levels driven on the course of the lode at the 30, 40, 70, 80, and 100. This lode is the same which proved very productive to a depth of 260 fms. from surface in the Tamar Silverlead Mine, and North Hooe being inmediately north of it, there can be but little doub; of the issue from a vigorous development of this fine property. Hundreds of tons of rich ores have been returned, and at the time the mine was abandoned, as the accompanying and other reports in existence will prove, the adventurers were on the eve of being rewarded with success. From these reports it may be confidently stated that sufficient returns can be made within six months of starting the engine to pay the cost of opening up new ground.

The mine is very favourably situated in respect of import of goods and export of ores, being in close proximity to a quay, free of charge, on the navigable river Tamar. A large stream of water, available for dressing purposes, flows through the sett.

The surface buildings and plant, in good condition, consist of a substantial engine-house and stack, with coal yard, smiths' shop, and counting-house.

r Mines, and Messes. Johnson, Matthey, and Co., as to the peas measur of many of the level of the peasure of the content of the world forced, a piece from each, pound and the request that they would brock a piece from each, pound and the request that they would brock a piece from the commercial and of the ore. The following is the result of the say of 120 of such special and the peasure of the say of 120 of such special and the peasure of the say of 120 of such special and the peasure of the say of 120 of such special and the following to be the result; and its content and the following to be the result; and its content and the following to be the result; and its content and the following to be the result; and its content and the following to be the result; and its content and the following to the say of 120 of such special and the following to the say of 120 of such special and the special and the following to the say of 120 of 120

of suspension. I shall take up as many shares as I possibly can, should the mine be set to work.

Tamar Siver-Lead Mine, Beerferris, April, 1867.—According to your request. I beg to hand you my report of the North Hose Mine, situated in the parish of Beerferris, on the same lode as he old Tamar Siver-Lead Mine, which has yielded such large profits for upwards of 29 years to the shareholders. The engine-shaft is samk perpendicularly to the 110, and the cross-cut driven within 2 fms. of the lode. In sinking the last 10 fms. a different channel of ground was met with, it having changed from a very dark to a beautiful light killas or clayslate, of precisely the same character as in the old Tamar Mine. The 100 north has been driven full 50 fms. through a productive lode, and a quantity of silver-lead taken away from the backs, and the lode never looked so well as when operations were suspended. The 90 has been driven suit 20 fms. through a productive lode, and appropriate will pay well for taking away. The same remarks will apply to all the levels, from the 91 to the 30. My opinion is that you have three very important points in this mine. The first is a good perpendicular shaft to the 110 for future workings. Secondly, the great change in the character of the ground between the 40 and 110. A precisely shallar change took place in the Tamar Silver-Lead Mine at the same depth, where the lode became much more productive, and continued so down through the mine to the depth of 250 fms., which was the canso of the shareholders having such large profits. In my opinion, operations at this mine ought rot to have been enspended. The third point is the large and splendid piece of ground you have to the north of the engine-shaft for more than half a mile on the course of the lode where it joins the South Ward Mine, from which many tons, of rich ore was raised at a very shallow depth. The rore in North Hooe is very rich, worth from \$25 to \$228 per ton. I shall be most happy to give any further information you may require.

RAILWAY WAGON WORKS, BARNSLEY. MESSRS. G. W. AND T. CRAIR

ARE PREPARED TO SUPPLY COAL AND COKE WAGONS

OF EVERY DESCRIPTION, Either for cash, or by deferred payments through wagon-leasing companies

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THE SANDYCROFT FOUNDRY AND ENGINE WORKS COMPANY (LIMITED),
Having recently executed a LARGE GRDER for complete MACHINERY, FURNACE WORK, TOOLS, &c., required for the EXTRACTION of SILVER from the ORE by the BARREL AMALGAMATING PROCESS, are now enabled to UNDRETAKE such WORK with all the latest improvements.

Prices and particulars of the above, and of every description of MINING ENGINES, BOILERS, FORGINGS, PITWORK, WATER WHEELS, CRUSHING and DRESSING MACHINERY, and MINING TOOLS of ALL KINDS, may be obtained on application at the works of the company, Sandycroft, near Chester; or at their London office—

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MACHINERY FOR FOREIGN MINES, As well as selecting mechanics to creet the same

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ERMANENT, CONTRACTORS, and COLLIERY RAILS, in STEEL or IRON. Wrought-from or Steel Weldless Locomotive Carriage and Wagon Tyres. on and Steel Straight and Cranked Axles, Wheels and Axles, Railway Chairs, Fish Plates, Boits and Nuts, Spikes, Granes, Jacks, Rivets, Ilurdies, and Chains,

Black or Galvanised Telegraph Wires, Fencing Wire.

BLACK, OILED, and GALVANISED CORRUGATED SHEETS. Rolled Iron Joints, Wrought-iron Girders, Roofs, Bridges, Tanks, Bollers, &c.
Boat Girder, Tank Bridge and Boller Plates.

Angle, Tee, and Girder Iron.—Nail Rods, Tin Plates, Heops, Sheets, Lead, Copper, Tin, Zine, and Spelter.

Hot and Cold Blast Pig Iron, &c., &c.

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SAWING, PLANING, DRESSING, AND ROCK-BORING MACHINES FOR SLATE.

WATER BALANCES, WATER WHEELS, WINDING AND PUMPING MA-CHINERY; and PLANT of every description for MINES or QUARRIES. STEAM ENGINES-STATIONARY, MARINE, or LOCOMOTIVE. BOILERS AND GIRDER WORK.

SHAFTING, PULLEYS, AND GENERAL MILLWORK. MACHINERY AND GENERAL CASTINGS.

SPUR and BEVEL WHEELS of any diameter or pitch moulded by machinery DE WINTON AND CO.,

UNION IRON WORKS, CARNARVON. JAMES BUTTERWORTH

MAKER OF ALL THE VARIOUS SIZES OF

VERTICAL AND HORIZONTAL HIGH-PRESSURE STEAM ENGINES.

VERTICAL ENGINES, from 2 to 10-horse power, HORIZONTAL ENGINES, from 3 to 40-horse power, FORTY STEAM ENGINES, from 2 to 20-horse power, In stock to select from, prices low, and ready for immediate delivery.

COLLIERY WINDING ENGINES Made on an improved principle, up to 40-horse power.

STEAM DONKEY PUMPING ENGINES, from 2 in. up to 12 in., rams properly tested in actual work before delivery.

All made in a good, strong, substantial, workman-like manner, of the best material, and warranted to work well.

Plans, specifications, and estimates furnished upon application at the

ALBERT STREET ENGINE WORKS, MANCHESTER.
ESTABLISHED 1840.

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PROGRESSES through Aberdeen granite at the incredible rate of 10" per minute.

SAVES £5 a day as compared with hand labour, independent of the enormous saving effected in the general expenses, such as PUMPING, VENTILATION, INTEREST OF CAPITAL, &c., from the fact of the "put out" being increased four-fold.

DRILL POINTS.—The saving in steel alone is considerable. One drill will go through 20 feet of Aberdeen grante without sharpening.

Orders received and executed solely by-MESSRS, CHAS, BALL AND CO., of 96, NEWGATE STREET,

E.C., LONDON, ENGINEERS, CONTRACTORS, AND GENERAL MERCHANTS.

THE PATENT SELF-ACTING MINERAL DRESSING MACHINE COMPANY (LIMITED).

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This company grants licenses, under their patents, for the use, singly or in combination, of the most approved machinery for dressing, ores, comprising St.mps, Jiggers, Sit-blow Percussion Tables, Classifiers, and Buddles.

The whole in combination are in successful operation a. Rhoswydol Mines, Machynlieth, and the Bog Waste, Shropshire.

The Jiggers are largely used at the Van, and Caldbeck Fells Mines, with un-

The diggers are targety used as the response of construction at various Mines in England and Scotland, regarding which Mr. Giegory will be pleased to give information, answer all enquiries, and give orders for inspection.

He is prepared to give designs and estimates for the supply of Machinery, and for the laying out of Floors.

T. CURRIE GREGORY, Secretary.

M ESSRS. W. BRUNTON AND CO., SAFETY FUSE MANUFACTURERS.
REDRUTH, CORNWALL: AND BRYMBO. NEAR WREXHAM.

M. R. W. WHITE, ASSAYER AND CONSULTING CHEMIST, in announcing the REMOVAL of his LABORATORY AND ASSAY OFFICE from Crown court to mutch more commodious premises, 25, FINS BURY PLACE, near FIN-BURY CIRCUS, hopes to RETAIN the CONFIDENCE hitherto reposed in bin.

Assaying taught. Lectures to Schools and Public Institutions.

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ANALYSES and REPORTS on METALLIC ORES, METALS, &c., daily attended to by Dr. T. L. PHIPSON, F.C.S., Member of the Chemical Society of Paris, &c.

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TOR MAIN LINE TRAFFIC, SHORT LINES, COLLIERIES, CONTRACTORS, IRONWORKS, MANUFACTORIES, &c., from a superior specification, equal to their first-class Railway Engines, and specially adapted to sharp curves and heavy gradients, may always be had at a short notice from—

MESSRS. BLACK, HAWTHORN, AND CO., LOCOMOTIVE, MARINE, AND STATIONARY ENGINE WORKS,

GATESHEAD-ON-TYNE.
London Office: 118, CANNON STREET, E.C.

MECHANICAL VENTILATORS FOR MINES. MESSRS. BLACK, HAWTHORN, AND CO.,

LOCOMOTIVE, MARINE, AND STATIONARY ENGINE WORKS, GATESHEAD-ON-TYNE,

HAVE now a speciality for the construction of the "GUIBAL' FAN, with their Engines designed expressly for them. Tenders sent on application.

London Office: 118, CANNON STREET, E.C.

CANNOCK CHASE COAL BY CANAL AND RAILWAY. CANNOCK CHASE COAL BY GANAL AND RAILWAY.

THE COMPANY SEND COAL BY RAILWAY, in trucks, TO
ALL STATIONS, and LOAD CANAL BOATS at their extensive wharves
on the Anglesey branch of the Birningham Canal, adjoining the colliery; and
also at Hednesford Basin, Cannock,
Also SUPPLY best LAYCOCK'S GARESFIELD FOUNDRY COKE, FIRE
BRICKS, and CLAY RETORTS, free on board ship, Tyne Dock, Newcastle-on-

Fyne.

Cannel gas coal, 15,000 feet of gas per ton. Illuminating power of gas in tandard candles, 32½ candles.

Vor prices, apply to— JOHN N. BROWN,

ices, apply to— JOHN N. BROWN,
ANGLESEY CHAMBERS, NEW STREET, BIRMINGHAM.

LONDON OFFICE, 455, NEW OXFORD STREET

IMPORTANT TO MINE OWNERS AND AGENTS. WILLOUGHBY BROTHERS' PATENT STEAM ORE STAMPER will shortly be READY FOR SALE.

Apply, for prices and particulars, to WILLOUGHBY BROTHERS, Foundry, Redruth; or Central Foundry, Plymouth.

VALUABLE CORNISH MINING MACHINERY ESSRS. J. C. LANYON AND SON have FOR SALE a very superior lot of the above, including—

Superior lot of the above, including—
80, 70, 60, 50, 30, and 24 inch PUMPING ENGINES
24 inch ROTARY ENGINE, with CAPSTAN:
122 inch ditto, with CAPSTAN and CRUSHER;
Several good BOILERS:
A large assortment of PITWORK of all sizes; STRAPPING PLATES, rolled and faggoted, all of which are secondhand, in good condition, and will be sold on very reasonable terms.
For particulars, apply to—
LANYON AND SON, MERCHANTS, REDRUTH.
Dated Redruth, Feb. 23, 1870.

IMPORTANT NOTICE.

IMPORTANT NOTICE,
TO MINE PROPRIETORS, AGNETS, AND ENGINEERS.

MESSRS, J. C. LANYON AND SON, of REDRUTH,
CORNWALL, having PURCHASED the WHOLE of the PLANT of the
CLIFFORD AMALGAMATED MINES, beg to call the attention of all partierequiring SECONDHAND ENGINES, BOILERS, PITWORK, or MINING
MATERIALS of any description, to the unprecedently favourable opportunit,
thus afforded for supplying their wants on the most favourable terms.
Communications to be addressed to—
July 4, 1870. J. C. LANYON AND SON, REDRUTH CORNWALL.

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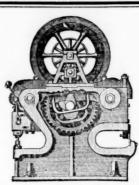
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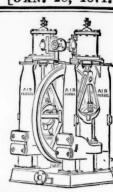
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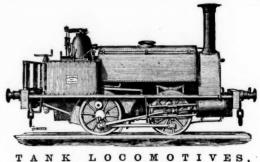




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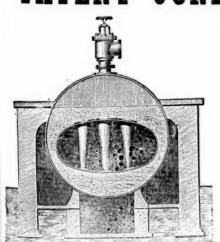
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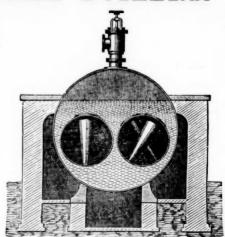
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Shares. Mines.	Paid. Last Pr. Business. Total divs. Per share. Last pat	d 1
1500 Alderley Edge, c, Cheshire	10 0 0 10 6 8 0 5 0Jan. 186	39
6000 Boscaswell, t, c, St. Just	1 0 0 as - as 0 2 0 . 0 9 0 Apr 187	
200 Rotallack, t. c. St. Just	91 5 0 225 220 230 585 5 0 5 0 0 Nov. 187	
20000 Bronfloyd, L. Cardigan*	2 10 0 21/4 23/8 25/8 2 11 0 0 1 0 Jan. 187	
4000 Brookwood, c, Buckfastleigh		10 1 2
5094 Bwich Consols, s-1, Cardigan*	1 16 0 0 15 0 0 2 6 Nov. 187 4 0 0 2 1% 2 0 9 0 0 2 0 May 187	
6400 Cashwell, I. Cumberland*		
	2 10 0 — 0 14 6 0 2 0 Dec. 187	
916 Cargoll, s-l, Newlyn		
2450 Cook's Kitchen, c, Illogant		
867 Cwm Erfin. l, Cardiganshire*	7 10 0 · · · · · 32 8 0 0 5 0Oct. 187	
128 Cwmystwith, I, Cardiganshire	60 0 0 387 10 0 2 0 0 July 186	
	100 0 0 ·· - · 177 0 0 2 10 0 July 186	
1024 Davon Gt. Consols, c, Tavistock	1 0 0 · · 110 · · 95 105 · · 1149 0 0 · · 4 0 0 · · Nov. 187	0
656 Ding Dong, t, Gulvalt	49 14 6 17 16 17 7 10 0 0 15 0 Aug. 187	0
1432 Dolcoath, c, t, Camborne	32 4 6 · · 130 · · 125 130 · · 251 2 6 · 3 0 0 · Dec. 187	0
12800 Drake Walls, t, Calstock t	2 10 0 ·· 11/8 ·· 11/8 11/4 ·· 1 3 3 ·· 0 1 0 · July 187	
6144 East Caradon, c, St. Cleert	2 14 6 5 5 6 14 11 6 0 2 0 July 186	
300 East Darren, I, Cardiganshire	32 0 0 ·· - · 188 10 0 2 0 0 Sept. 187	
6400 East Pool, t, c, Pool, Illogan	0 99 . 11 101/2 11 11 1 3 0 4 0 Jan. 187	
1906 Post Wheel Lorell & Wondron	3 9 0 - 32 32 33 14 16 0 2 0 0 Nov. 187	
1906 East Wheal Lovell, t, Wendron.		
2800 Foxdale, l, Isle of Man*		
5000 Frank Mills, I, Christow	3 18 6 ·· 11/4 · · · 4 8 0 · · 0 2 6 · · Aug. 187	U
3950 Gawton, c, Tavistock	3 10 6 ·· _ · · 0 3 0 0 3 0 Jan. 186	
15000 Great Laxev, L. Isle of Man*	4 0 0 ·· 17 ·· 17 18 ·· 13 9 0 0 8 0 Dec. 187	0
3000 Great Northern Manganese*	5 0 0 ·· - · · 5 p.ct,Feb. 186	9 .
5908 Great Wheal Vor. t. c. Helstont.	40 00 · · · 5% · · 6% 7% · · 15 12 0 . · 0 3 6 . · June 187	0 0
10240 Gunnislake (Clitters'), t, c	4 19 0 ·· - · · · · · · · · · · · · · · · ·	0
1024 Herodsfoot, I, near Liskeardt	8 10 0 ·· 43 ·· 41 44 ·· 54 0 0 1 10 0 Oct. 187	0
2000 Holmbush and Kelly Bray, c*	1 0 0 ·· - ·· 0 3 0 0 1 0 Nov. 186	9
10000 Killaloe, sl, Tipperary	1 0 0 ·· - · · · 0 2 2 0 0 7 June 187	0
165 Levant c. t. St. Just	10 8 1 ·· - · · · · · · · · · · · · · · · ·	
400 Lisburne, l, Cardiganshire	18 15 0 · · · · · · 529 0 0 · · 2 0 0 · . Jan. 187	
3000 Maes-y-Safn, l, Flint*	20 0 0 ·· - · · 4 0 0 0 5 0Oct. 186	
9000 Marke Valley, c, Caradon	4 10 6 714 634 714 6 14 0 0 4 0 Jan. 187	
1800 Minera Mining Co.1, Wrexham *	25 0 0 ·· - · · · · · · 282 8 3 4 0 0 Nov. 187	
20000 Mining Co. of Ireland, e, l. cl	7 0 0 7 7 7% 0 4 6% 0 2 1. July 187	0 1
\$400 New Downbucks & a Don Station	7 0 0 · · 7 · · 7 7 ½ · · 0 4 6 ½ 0 2 1 · July 187 5 0 0 · · 5 · · 4 ½ 5 · · 0 5 0 · · 0 2 6 · Nov. 187	0 1
6400 New Pembroke, t, c, Par Station.	5 0 0 5 434 5 0 5 0 0 2 6 Nov. 187.	0 1
2000 North Levant, t, c, St. Just		
8610 North Wheal Crofty, c. Illogant	3 11 3 · · 2½ · · 2½ · · · · · · · · · · · · ·	
256 Pendarves United, t, c, Camb		
5000 Penhalls, t, St. Agnes	3 0 0 51/2 5 6 1 13 6 0 4 0 Oct. 1870	
500 Pheenix, t, e, Linkinhorne	50 0 0 456 10 0 7 0 0 May 1870	
2000 Poldice, t, c, Gwennap	10 0 0 1 10 0 0 10 0Oct. 1870	0 40
12800 Prince of Wales, c, Calstock	0 12 6 1/8 1/8 2 0 10 6 0 1 0 Nov. 1865	9 5
1120 Providence, t Uny Lelantt	10 6 7 37 37 38 100 12 6 1 0 0 Dec. 1870) 6
15000 Queen, s, c, Calstock*	0 10 0 2 116 2 0 2 0 0 1 0 Dec. 1876	0 4
5869 Rosewall Hill & Ransom, t	4 0 0 . 136 . 136 114 . 0 13 0 . 0 1 6 . Dec. 1870	115
512 South Caradon, c. St. Chert	1 5 0 250 230 250 655 10 0 4 0 0 Nov. 1870	1 3
512 South Caradon, c. St. Cleert 6000 South Darren, l, Cardigan*	3 6 6 1 1 6 0 1 6 Nov. 1870	
927 South Wh. Crofty e Illogan	4 10 10 6 6 7 3 0 0 0 10 0 June 1870	
400 No Wh Francos e Illog t	18 18 9 29 29 30 374 13 6 1 0 0 Mar. 1868	6
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940 St. Ives Consols, t, St. Ives	36 17 9 18 14 16 14 15 0 1 0 0Oct. 1876	1 6 0
9771 Ct. Ives Amalgamated 45	3 10 0 0 5 0 0 2 6. Nov. 1870	
8771 St. Just Amalgamated, t*		
2000 Tankerville, l, Salop*		
6000 Tinerott, C, t, root, Hogant		
2000 Trumpel Cons., t, Helston		
2000 Van, l, Llanidloes*		1 2
3000 W. Chiverton, I, Perranzabuloet	0 0 0 50 47 49 47 7 6 2 0 0 Nov. 1870	1 6
512 West Wheal Frances. t, Illogan 10	06 15 0 30 30 32 5 10 0 1 0 0 Jan. 1871	
400 W. Wheal Seton, c, Cambornet	7 0 0 115 105 115 669 0 0 2 10 0 Dec. 1870	
512 West Wheal Frances. t, Illogan 16 400 W. Wheal Scton, c, Cambornet. 6 512 Wheal Basset, c, Illogan† 513 Wheal Jane, s-t, Kea	5 2 6 70 65 75 632 10 0 1 0 0 June 1868	
512 Wheal Jane, s-1, Kea	0 15 0 56 54 57 33 10 0 1 10 0 Nov. 1870	
4295 Wilest Kitty, t, St. Agnes	D 4 5 3/2 0 /3 0 13 U. U / U. NOV. 1010	1 -
1024 Wheal Kitty, t, Uny Lelantt	3 10 6 10 5 10 15 1 6	5
896 Wheal Margaret, t, Uny Lelant . 1	8 17 6 8 6 5 78 15 0 0 10 0 Nov. 1870	20
1024 Wheal Mary Ann, I, Menheniott	8 0 0 131/4 12 14 71 17 6 0 10 0 Dec. 1870	5
1000 Wh. Mary Hutchins, Plymp., t 80 Wheal Owles, t, St. Just: 7	2 12 6 0 10 0 0 5 0 Aug. 1869	5
80 Wheal Owles, t. St. Justi 7	0 0 0 474 13 010 0 0Nov. 1870	4
2000 Wheat Russell, c. Tavistock	1 0 0 0 1 0 0 1 0 Dec. 1870	3
396 Wheal Seton, t, c, Camborne . 6		6
	10 0 8¼ 7% 8% 50 2 6 0 2 6 Sept. 1870	
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FOREIGN	DIVIDEND MINKS.	4
	2 0 0 214 134 214 0 13 0 0 2 6 Oct. 1870	100
30000 Almada&TiritoConsolidated.s*+	2 0 0 2 1 1 3 2 1 0 13 0 0 2 6 . Oct. 1870 1 0 0 1 7 1 1 8 0 1 6 0 1 6 . Oct. 1870	6
20000 Australian c. South Australia	7 7 6 0 1 6 0 0 6 Aug 1900	120

NON-DIVIDEND MINES.

Mines.

Shares.

| Section | Company | Comp

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• Companies marked thus • have seen incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange, those marked thus ‡ have paid Dividends.

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